

20011224.qrp v02_n415.qrl.20011224

Date: Mon, 24 Dec 2001 19:03:14 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2415

QRP-L Digest 2415

Topics covered in this issue include:

- 1) [115803] Re: Freedom fighters Christmas poem
by W2AGN <w2agn@pobox.com>
- 2) [115804] Re: Freedom fighters Christmas poem
by W2BJ <w2bj@minsky.info>
- 3) [115805] Re: Phone spectrum land grab, as expected
by K4IA@aol.com
- 4) [115806] Re: Freedom fighters Christmas poem
by "w2wurjj" <w2wurjj@verizon.net>
- 5) [115807] Re: Phone spectrum land grab, as expected
by wkhibbert@juno.com
- 6) [115808] 100 years of Victor in Camden - qrp content!
by "Joe Everhart" <n2cx@voicenet.com>
- 7) [115809] My RIT versus the K1s & K2s
by "Pat J. Whelton" <pwhelton@hal-pc.org>
- 8) [115810] Re: Tubes, In Defense of
by George Gingell <k3tks@u1.abs.net>
- 9) [115811] Re: My RIT versus the K1s & K2s
by "Trevor Jacobs" <fxtech@earthlink.net>
- 10) [115812] OT: Scope Help Needed
by "Brian P. Mileschosky" <n5zgt@swcp.com>
- 11) [115813] RF activated Side tone osc
by Steven Weber <kd1jv@moose.ncia.net>
- 12) [115814] Another 5763 rig lives!
by Bob Okas <vintage@vintage.best.vwh.net>
- 13) [115815] Re: RF activated Side tone osc
by "Alan Kaul" <alan.kaul@worldnet.att.net>
- 14) [115816] Re: RF activated Side tone osc
by Bob Okas <vintage@vintage.best.vwh.net>
- 15) [115817] Re: Tubes, In Defense of
by Pete Burbank <plburbank@kih.net>
- 16) [115818] Re: My RIT versus the K1s & K2s
by Mike <mmorrow@companet.net>
- 17) [115819] Re: Phone spectrum land grab, as expected
by "J. Duffy Beischel" <duffy01@fuse.net>
- 18) [115820] Re: Tubes, In Defense of
by Dragon Singer <WM-Scace@wiu.edu>
- 19) [115821] Ping - no message

- by "Harry Hurst" <wa3ptg@home.com>
- 20) [115822] Re: Phone spectrum land grab, as expected
by Dragon Singer <WM-Scace@wiu.edu>
- 21) [115823] Re: Phone spectrum land grab, as expected
by "Mike Yetzko" <myetzko@insydesw.com>
- 22) [115824] Re: ARRL and Band Threat
by Bill Coleman <aa4lr@arrl.net>
- 23) [115825] Re: Phone spectrum land grab, as expected
by kg4dzu@juno.com
- 24) [115826] MI QRP Net Tuesday night 9:00PM Eastern time 3.535 Mhz
by "Kwik, Ed " <ed.kwik@delphiauto.com>
- 25) [115827] Christmas Night truffle!
by "N8IE" <n8ie@woh.rr.com>
- 26) [115828] Electricity theory
by Rick McNelly <rmcnelly@home.com>
- 27) [115829] On Topic: HB - the crystals are here!
by "Harry Hurst" <wa3ptg@home.com>
- 28) [115830] RE: Christmas Night truffle!
by "N8IE" <n8ie@woh.rr.com>
- 29) [115831] Re: Phone spectrum land grab, as expected
by John Wagner <john@wagner-usa.net>
- 30) [115832] Re: [fpqrp] RE: Christmas Night truffle!
by "Brian" <brian@iquest.net>
- 31) [115833] RE: [fpqrp] RE: Christmas Night truffle!
by "N8IE" <n8ie@woh.rr.com>
- 32) [115834] Re: Phone spectrum land grab, as expected
by Bill ROWLETT <kc4atu@yahoo.com>
- 33) [115835] Merry Christmas To All....
by Fred Lesnick <flesnick@tbaytel.net>
- 34) [115836] Re: My RIT versus the K1s & K2s
by "Rod N0RC" <rod@n0rc.com>
- 35) [115837] Re: [GQRP] NVIS Book Review (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [115838] OHR500 Question
by Kenneth Broga <w9qs@yahoo.com>
- 37) [115839] Re: CORRECTED FS: Linksys BEFSR41 (was BEFSR11)
by "Rod N0RC" <rod@n0rc.com>
- 38) [115840] REAL COMPUTER ???
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 39) [115841] Happy Holidays
by "Rich Dailey, KA80KH" <okh.npi@gte.net>
- 40) [115842] Milliwatt Contest
by Dan Wolfe <n4roa@mounet.com>
- 41) [115843] Re: REAL COMPUTER ???
by "Leon Heller" <leon_heller@hotmail.com>
- 42) [115844] Re: Windows XP
by "W3CDE Jerry L." <w3cde@bellsouth.net>
- 43) [115845] [Elmer 101] Toroid Lead Stripping & More

by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
44) [115846] Re: REAL COMPUTER ???
by "Mike Yetko" <myetsko@insydesw.com>
45) [115847] Re: [Elmer 101] Toroid Lead Stripping & More
by "Mike Yetko" <myetsko@insydesw.com>
46) [115848] Re: Tubes, In Defense of
by "Rob Matherly" <kc0bom@arrl.net>
47) [115849] RE: RF activated Side tone osc
by Nick Kennedy <nkennedy@tcainet.net>
48) [115850] Re: Phone spectrum land grab, as expected
by "J. Duffy Beischel" <duffy01@fuse.net>
49) [115851] Re: [Elmer 101] Toroid Lead Stripping & More
by brickle <brickle@pobox.com>
50) [115852] Re: Being the only station from somewhere during sweeps
by Bill Coleman <aa4lr@arrl.net>
51) [115853] Re: [Elecrafft] Base Schurr Einbau Wabblers ?
by "Floyd Smithberg" <nq7x@earthlink.net>
52) [115854] Re: REAL COMPUTER ???
by "George, W5YR" <w5yr@att.net>
53) [115855] Re: [Elmer 101] Toroid Lead Stripping & More
by "w8diz" <w8diz@fpqrp.com>
54) [115856] Re: REAL COMPUTER ???
by Dave Fouchey <dafouchey@home.com>
55) [115857] Re: REAL COMPUTER ???
by "John J. McDonough" <wb8rcr@arrl.net>
56) [115858] this "Phone Grab" thing
by "Rod N0RC" <rod@n0rc.com>
57) [115859] Re: REAL COMPUTER ???
by "Leon Heller" <leon_heller@hotmail.com>
58) [115860] Re: REAL COMPUTER ???
by "Harry Hurst" <wa3ptg@home.com>
59) [115861] Re: REAL COMPUTER ???
by "Leon Heller" <leon_heller@hotmail.com>
60) [115862] Re: REAL COMPUTER ???
by "Mike Branca" <w3irz@att.net>
61) [115863] REAL COMPUTERS?
by "Rod N0RC" <rod@n0rc.com>
62) [115864] Re: REAL COMPUTER ???
by "W3CDE Jerry L." <w3cde@bellsouth.net>
63) [115865] Re: REAL COMPUTER ???
by "W3CDE Jerry L." <w3cde@bellsouth.net>
64) [115866] Computer Time Line
by "tmyers" <tmyers@AcademicPlanet.com>
65) [115867] Re: cheap vertical
by Bill Coleman <aa4lr@arrl.net>
66) [115868] Re: Windows XP
by Ray Sills <raysills@1stconnect.com>
67) [115869] FS: FT-817

by "Marty N5NW" <n5nw@onebox.com>
68) [115870] Re: [Elmer 101] Toroid Lead Stripping
by Dan Tayloe <dtayloe@home.com>
69) [115871] Holiday Wishes.
by W2AGN <w2agn@pobox.com>
70) [115872] Re: REAL COMPUTERS?
by "Leon Heller" <leon_heller@hotmail.com>
71) [115873] Printed circuit board stuff & interesting DX
by nilsbull@juno.com
72) [115874] RE: RF activated Side tone osc
by Bob Okas <vintage@vintage.best.vwh.net>
73) [115875] Re: Printed circuit board stuff & interesting DX
by "Leon Heller" <leon_heller@hotmail.com>
74) [115876] Re: Computer Time Line
by Chris Howard <chris@yipypap.com>
75) [115877] Merry Christmas
by k8cz@att.net
76) [115878] For Sale
by "Francis Callahan" <colcal@srv.net>
77) [115879] COM[UTERS
by DENNIS SMITH <ne4o@swbell.net>
78) [115880] Re: Phone spectrum land grab, as expected
by K4IA@aol.com
79) [115881] Vertical Dipole Question
by Jim Campbell <jim-c@nc.rr.com>
80) [115882] RE: Windows XP
by "Len Revelle" <lennrev@ameritech.net>
81) [115883] Re: Windows XP
by "George, W5YR" <w5yr@att.net>
82) [115884] Re: Straight Keys
by Jim Larsen - AL7FS <AL7FS@ARRL.NET>
83) [115885] Re: Windows XP
by w4bws@juno.com
84) [115886] Happy Holidays...
by "Trevor Jacobs" <fxtech@earthlink.net>
85) [115887] The Holidays
by FIVEWATTS@aol.com
86) [115888] Re: Vertical Dipole Question
by FIVEWATTS@aol.com
87) [115889] Re: Phone spectrum land grab, as expected
by "Rod N0RC" <rod@n0rc.com>
88) [115890] HO HO HO
by IamSF5@aol.com
89) [115891] Re: Phone spectrum land grab, as expected
by baltimoremd@baltimoremd.com
90) [115892] Crystals
by "Steve Markowitz" <sdmarko@attglobal.net>
91) [115893] Re: Crystals

by "Leon Heller" <leon_heller@hotmail.com>
92) [115894] Very Happy Holidays to All !!!!
by "George Osier" <gosier@twcny.rr.com>

Date: Sun, 23 Dec 2001 19:24:03 -0500
From: W2AGN <w2agn@pobox.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
fpqrp-@mpna.com
Subject: [115803] Re: Freedom fighters Christmas poem
Message-ID: <01122319240302.02167@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Sunday 23 December 2001 17:39, IamSF5@aol.com wrote:

> T'was the night before Christmas,
> And all through the land, The patriots were hiding their guns in the sand.
>
> The burp gun with spare parts (We greased it and oiled it) was hid in the
> tank neath the ol'e toilet.
> The black powder for pipe bombes and reloading ammo,
> was stashed in the attic with the sling shot by Wammo.
> The match heads and primers for things that go BOOM, were hid in the closet
> in Moms sewing room.
> Boobytrap switches and fuse for the rockets,
> were ready for action when pulled from light sockets.
> The depth charges and land mines were hid in the attic,
> by the 30 shot rifle that goes Automatic.
> Bazookas and mortars and trip flares and such,
> were hid in the kitchen in the glass front hutch.
> The tear gas and pepper to cause federal quandry,
> were stashed with the Tide on the shelf with the laundry.
> The bear traps and barbed wire and dead falls and briars,
> were safe in the alley 'neath stacks of old tires.
> The ground glass and poison and acid and darts,
> were safe in the garage all marked "Bike Parts."
> When federal Clause came with his warrant and sleigh,
> to sack all the goodies before came the day,
> he found only dollies, and sweetness and light, and left the troops smiling
> and ready to fight.
> Bob
> WA2HOQrp <tm>

--

And you guys think this clown ISN'T nuts?

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>

Date: 23 Dec 2001 17:04:07 -0800
From: W2BJ <w2bj@minsky.info>
To: IamSF5@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [115804] Re: Freedom fighters Christmas poem
Message-ID: <20011224010407.17035.cpmta@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

On Sun, 23 December 2001, IamSF5@aol.com wrote:

>
> T'was the night before Christmas,
> And all through the land, The patriots were hiding their guns in the sand.

> Bob
> WA2HQrp <tm>

What in the world does this have to do with QRP?

72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
NorCal #1560, QRP-L, FISTS #2701, Century Club
#569, Platinum #51, Silver #119, FISTS CW Club of
Coastal Georgia, Knightlites, Adventure Radio
Society #359, QCWA #29298, OOTC #3723, SOC #193,
K2 #577, K1 #98

Date: Sun, 23 Dec 2001 20:13:26 EST
From: K4IA@aol.com
To: w5xe@juno.com
Cc: qrp-1@lehigh.edu
Subject: [115805] Re: Phone spectrum land grab, as expected
Message-ID: <111.aa1831d.2957db36@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I encourage all you QRPers to make a big noise about this. Here's what I had to say as a Reply to the news bulletin on eHam:

Eliminating Novice bands is the wrong answer to the wrong question. We need more Novices!

eHam ran a survey not too long ago and close to 2/3's of the respondents said CW was their PRIMARY mode. CW is far from dead.

ARRL has allowed itself to get off on a tangent (again). Last time, it was computers, solid state and the enemy at the gates (CB). The League brought us incentive licensing as a cure and the results were devastating. I see "restructuring" as an admission that "incentive" didn't work.

Trouble is, they (FCC encouraged by ARRL) have made a terrible mistake by eliminating the most important license of all: the entry-level Novice class. We hear the lament there is no new blood in the hobby (whoops, I meant "service") and the League answers with harder tests and an all-out assault on the Primary Mode. And, oh yes, let's spend a lot of money encouraging our youth with the Big Project, teaching ham radio as an adjunct to the internet.

I liked the Novice idea: a very simple test conferred limited privileges for one year. This encouraged me to try ham radio. I did it because I could. It was attainable, reasonable and achievable. I was put in a CW sub-band with limited power where I couldn't hurt anything and learned how to communicate around the world. That's incentive!

To say the Novice CW bands are underutilized and therefore need to become phone bands is the wrong approach. That doesn't add anything to our numbers. It won't eliminate QRM - existing users will just spread out. The answer to a lack of activity on the bands is to fill up the bands from the bottom. We need more Novices.

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788 Diamond #64
K1 #470

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Date: Sun, 23 Dec 2001 20:36:21 -0800
From: "w2wurjj" <w2wurjj@verizon.net>
To: <w2bj@minsky.info>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115806] Re: Freedom fighters Christmas poem
Message-ID: <000401c18c34\$8a5fb280\$71c2fea9@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Nothing. Cut some slack he's making a snake antenna for the rig. 73, Ron,
W2WU

----- Original Message -----

From: W2BJ <w2bj@minsky.info>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, December 23, 2001 17:04
Subject: Re: Freedom fighters Christmas poem

> On Sun, 23 December 2001, IamSF5@aol.com wrote:

>

> >

> > T'was the night before Christmas,

> > And all through the land, The patriots were hiding their guns in the
sand.

>

>

> > Bob

> > WA2HOQrp <tm>

>

> What in the world does this have to do with QRP?

>

> 72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,

> NorCal #1560, QRP-L, FISTS #2701, Century Club

> #569, Platinum #51, Silver #119, FISTS CW Club of

> Coastal Georgia, Knightlites, Adventure Radio

> Society #359, QCWA #29298, OOTC #3723, SOC #193,

> K2 #577, K1 #98

>

>

>

Date: Sun, 23 Dec 2001 20:38:26 -0500
From: wkhibbert@juno.com
To: K4IA@aol.com
Cc: qrp-l@lehigh.edu
Subject: [115807] Re: Phone spectrum land grab, as expected
Message-ID: <20011223.203919.-523197.0.wkhibbert@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Craig. Keith here in the Depths of the Great Bergen Swamp

Yes, we need more Novices. Regardless of the mode(s) they run we need more Novices.

However, in the current simplification and cost-cutting mode that our current FCC runs under it is not cost-effective to have an additional class of amateur license out there.

One can not have more Novices without a Novice-class entry-level ticket, and the ARRL is acknowledging this with their petition.

Regardless of the further encroachment of the Phone allocation into the traditional CW bands, it's partially a case that if we don't utilize the spectrum we will be pressured to give it up.

I am not sure if I like the petition or not. I like losing spectrum even less though.

73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
President, Brockport Amateur Radio Klub
"My night light runs more power than my Rig!!!"
mailto:wb2vuo@arrl.net

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 23 Dec 2001 21:45:12 -0500
From: "Joe Everhart" <n2cx@voicenet.com>
To: "neqrp" <neqrp@jonal.net>, "qrpl" <qrp-l@lehigh.edu>,
"njqrp" <njqrp@njqrp.org>
Subject: [115808] 100 years of Victor in Camden - qrp content!
Message-ID: <002d01c18c25\$d41c7d40\$b45947d1@n2cxtoy>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Group,

W2VTM and the Victor Amateur Radio Association are celebrating 100 years in Camden, NJ. Starting with the Victor Talking Machine Company, then RCA and additional corporate identities there is a heritage associated with the name Victor - you all recognize its symbol, the dog listening to his master's voice at the phonograph.

There has been an effort since October to celebrate the presence through the Victor Amateur Radio Association and its station W2VTM.

For more info on the event see the club site at:

<http://www.qsl.net/w2vtm/>

The QRP connection is that W2VTM will be active on QRP CW frequencies until the end of the year. There are no set times but you should certainly find the station on 3560, 7040 and 14060 during the KnightLites Holiday Sprint on the 26th, 27th and 28th. See:

http://www.knightlites.org/milliwatt_contest.htm

for more details.

Other operating periods will be as time permits on the same frequencies through the end of 2001.

And whether or not you are a present or past employee of one of the Victor companies, if you work W2VTM you will receive a commemorative W2VTM QSL card.

See you on the air!

72/73,

Joe E., N2CX

VARA Vice President

Date: Sun, 23 Dec 2001 21:24:45 -0600
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: <qrp-l@Lehigh.EDU>
Subject: [115809] My RIT versus the K1s & K2s
Message-ID: <003c01c18c2a\$8a63dcc0\$a180fea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been happily chugging along with my TenTec 1320 but I notice that whenever a K1 or a K2 answers my CQ they always call me "up" frequency. In-other-words I call CQ and tune with my RIT and invariably I have to turn the RIT to the right about a quarter turn to tune the station in properly. It always seems the station is either a K1 or a K2 that replies. This might just be a coincidence. I wonder if I need to play with the tuning slugs some to get the received signal zero beat? It could be that what sounds pleasant to my ear isn't really zero beat.

73's
Pat - KZ5J
kz5j@arrl.net

Date: Sun, 23 Dec 2001 23:40:43 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [115810] Re: Tubes, In Defense of
Message-ID: <20011223212758.M92993-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was going to start off about the FACT that Tubes Are in fact still in use in many forms, and are Still in production around the world.

We should in fact Thank Karl, for his Comments, regardless of his intent.

It has sparked one of the more interesting Threads on this list in many months.

I am a couple of Digests behind in my reading, so some of my comments may or may not have already been covered.

All one has to do is pick up a ham magazine and thumb thru it to find that Tubes are alive and well in this Modern World.

Eimac and Svetlana are both in business and Supplying High and Low Power Tubes. Ameritron and Alpha Still use them in Those Big Shack Warmers.

While I have never, nor do I now have a desire to own one of them, I do not try to claim that they do not exist.

For those into Nostalgia, Check out the Advertisement in The December 2001 CQ Magazine page 69. The Globe King 500D updated. Definately not QRP ! :^}
<vradioofnetex@1starnet.com> Is this NetXQRO ? :^}

If I was to have a QRO Rig, I might consider one of those.. A real Beauty.

Sorry, But the Idea of "I don't need no stinkin' tubes" dosesn't quite set well with my thinking.

Read the Article in CQ on page 56. (DEC 2001) Fifty years into the Computer Age. While it does not mention the Tube Types, I seem to Recall the 12AU7 as being in some of the Military Computer stuff in the Early 60's when I was a lowly Radio Repairman in Uncle Sams Air Force. GKA-2 or 3 if I remember correctly. Later I worked on the GKA-5 with Transistors.

We still made good use of tubes in the AN/FRT-49 RF Amplifier (10KW Klystron). Not to mention the Hundreds of UHF & VHF Transmitters and Multichannel Transcievers. I wish I had a Dollar for every 4CX125 and 4CX150 that I have replaced. (Most of which were still quite usable in Ham Radio Service).

Back to the Article, The First real Computer Was the ENIAC nearly 18,000 "Vacuum Tubes". I still remember a High School Field Trip to David Taylor Model Basin here in the Washington, D.C. area Home of a UNIVAC.

Yep, lost of Glass Bottles in it. At least I think so?

Memory is one of the first things to go, and I forget the second...

Some one else mentioned the fact that Vacuum Tubes have a better Survival Ability than modern Solid State Equipment.

I don't know if the story about General Curtis LeMay is true or not, but I have heard that story as well. I do know that we did have a lot of tube equipment in SAC when I was there.

I also Know that every Embassy Post in the World had Either a KWM-2A or a Collins S-Line. I think most have been replaced by Harris Solid State Rigs, but I could be wrong.

I once made a QSO to U.K. with a Harris Rig to a Dummy Load. Guess I was really QRPP? :^} Actually we were just giving it a check out to figure out how to set it up. I think I said Hello Test a couple times and then the Club Callsign. (Out of habit) Rather Shocked to have a G3 Come back with a Signal Report of UR 59 with Great Audio.

O.K. I confess, I have operated QRO, but only at Work. :^}

I am rather intrigued by some of the other comments that I have read here on the [Re: Tubes] discussion.

I had not thought about the T.V. and Microwave as having Tubes. Among those common place items that we take for granted in this modern world.

Not to say anything about the He-Ne Lasers in every Store in town.

Those Grocery Store Checkouts have lots of them...

I have a rather nifty QRP High Band TX made in an old Telephone Modem Case that sits on a Camera Tripod. I brought it to Dayton back in about '86.

Yep, it has a He-Ne in it with a Solid State High Voltage Quadrupler in it. Who said that it is safe to play with Solid State? :^}

It sure blew H--- out of my old V7-A VTVM. Serves me right for forgetting the 50 KV Hi-Voltage Probe. :^}

I am looking forward to some of the "Hallow State" Projects this year.

I am sure I have a box of Special Project "HOLLOW STATE" devices and related components.

Someone recently gave me a used HRO Dial. I also have a Black Krinkle Finish Cabinet with a 6L6 in it. Think it was a RF Switch?

No Matter, It is destined for a different second life.

I think I have an ARC-5 Unit that was Made into a VFO by a local old timer. Another Gift to my QRP Museum. (Not what the XYL calls it) :^}

Pete, KK6GM mentioned the phrase "Sensual Radio" referring to the particular smell of heated Vacuum Tubes.

Here is an Idea for the new year. All you need is a Cabinet, a Tube, a

Socket and a Filament Transformer to match the Voltage for the tube selected.

This is a Simple QRPpi Project for O.T. Hams for Christmas.

"A Ham Sensual Vintage Radio Project" (C) 2001, by K3TKS

O.K. here it is: Mount the Socket on the Chassis, Wood Base, Etc. Connect the Output of the Transformer to the Filament Pins. Ususlly 3 & 4 or 7 & 8. Check the ARRL HB or your RCA Tube Manual for the correct pins for your tube. You might wish to add a Pilot Lamp on the SEcondary also. This could be a real Incadesant Lamp or a LED and dropping Resistor.

I would urge that you include a Fuse and Fuse Holder and SPST switch in the Primary side along with the A-C Power Cord. Dont forget the Rubber Grommet if using a metal Chassis. We want this to be UL approved.

Here is the Secret Trick if you want the XYL to really love this Special Project. Look for a Rubber Grommet similar to a Vacuum Cleaner Belt.

You could also make am Upside Down Funnel out of tin. to slip down on the tube Glass element. Maybe add a little Cotton Puff Material. Then add some Scent Liquid and you have a Unique Home made Aroma Machine.

The Deluxe Model can add a Computer Muffin Fan to really fill the room with your preferred Aroma. Real hams will want Dust, :^}

With that note, I will close this Message with a Wish for a Happy and Safe Christmas and New Year's to All.

OBTW For those who really like the Rolling Rock Green Bottles, Cut the Bottoms off and Use them as A Chiminey over their 6L6 Tubes.

Instead of Floating them Upside Down in Water or Oil.

Make a Ring of Air Holes (About 1/4" dia) around the Tube Base.

Not too many, We don't want the tube to fall out. :^}

You can make a Rubber Gasket for the base, but i would probably just use a good Silicon Caulk or Bathroom Caulk to Cushion and Mount the Glass Bottle to the Chassis. You will then need a Cheap Computer Muffin Fan under the Chassis as a Blower.

You will then have an effective FORCED AIR COOLED FINAL.

This will actually work far better than the Iced Beer Cooler for the Tubes.

I have more Re-Cycle Ideas, but I have to save some for the book. :^}

Ask me about Throw-A-Way CD's some time :^}

Sir George, The First :^}

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Commercial Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Sun, 23 Dec 2001 22:26:21 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <pwhelton@hal-pc.org>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115811] Re: My RIT versus the K1s & K2s
Message-ID: <001a01c18c43\$e884cf80\$7a86b3d1@computername>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pat, you may just need to adjust the RX/TX frequency offset, because if you were actually zero beat, you wouldn't hear anything/no tone. I wonder if there is a way for you to adjust your RX/TX frequency offset. This way you could get the desired tone. Maybe someone else has one of those rigs and has had the same problem. I've had no problem RXing K1/K2 rigs on the air, and in fact they are very stable and tend to be right on the tone I like when

using my FT-817. Just an observation...

72/73's

Trev

KG6CYN

----- Original Message -----

From: "Pat J. Whelton" <pwhelton@hal-pc.org>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, December 23, 2001 7:24 PM

Subject: My RIT versus the K1s & K2s

> I've been happily chugging along with my TenTec 1320 but I notice that
> whenever a K1 or a K2 answers my CQ they always call me "up" frequency.
> In-other-words I call CQ and tune with my RIT and invariably I have to
turn
> the RIT to the right about a quarter turn to tune the station in properly.
> It always seems the station is either a K1 or a K2 that replies. This
might
> just be a coincidence. I wonder if I need to play with the tuning slugs
> some to get the received signal zero beat? It could be that what sounds
> pleasant to my ear isn't really zero beat.
>
> 73's
> Pat - KZ5J
> kz5j@arrl.net
>

Date: Mon, 24 Dec 2001 00:34:35 -0700
From: "Brian P. Mileschosky" <n5zgt@swcp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [115812] OT: Scope Help Needed
Message-ID: <000701c18c4d\$70279fe0\$f304b8d8@hlw11>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

First, Happy Holidays, Merry Christmas and Happy New Year!

I have a Non-Linear Systems MS-15 15 MHz portable oscilloscope that I would like to sell, but I am having trouble deciding what it is really worth. The scope is in excellent shape, with probes and manuals. It is a

mini-scope, runs off its own internal battery, as well as AC and shows only the waveform of the signal being observed (no traces, cursors or other displays).

Does anyone know what would be a good asking price for something like this? Granted it's only a 15 MHz scope, but I'd like to get a little bit back for it, yet be reasonable as far as an asking price. Any help would be appreciated.

72,
Brian, N5ZGT
Albuquerque, NM

Amateur Radio Station N5ZGT - N5ZGT PBBS, 145.01 MHz
ARRL Life Member, NorCal #1700 QRP-L #580 AK/QRP #125

Boy Scouts of America - Eagle Scout 12/6/96 - ASM, Troop 85
Vigil Honor Member, O.A. Lodge 66 Yah-Tah-Hey-Si-Kess

Please visit my site at <http://www.unm.edu/~brianm>

Date: Mon, 24 Dec 2001 03:27:15 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [115813] RF activated Side tone osc
Message-ID: <3.0.6.32.20011224032715.0079c100@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Happy Holidays!

Seeing I had forgotten to add a side tone oscillator to the new tube xmitter, I decided to build an external, RF activated one. I seem to remeber using one in the "old" days, when it was common to run sperate receivers and transmitters and side tone oscillators weren't built into the transmitter.

It's a pretty simple affair, couple of diodes, some op amps and a LM386 audio amp. I just put up the schematic and circuit discription on my web page, just in case someone is interested. (<http://www.qsl.net/kd1jv/>)

Sorry about the hand drawn schematic, haven't done that in awhile, but it was quicker than using the schematic cad program<g>

It's sensitive enough to trigger on 5 watts, but admitly, my antenna is only about 15 feet away, over my head! It can be built small enough to fit in an Altiods tin, along with a 9V battery and a small, 1" dia flat speaker, though if I can find the old passive Field Strength meter I *know* is around here someplace, I think I can fit in there and have one of the spare op amps drive the meter too.

72,
Steve, KD1JV
"Melt Solder"
White Mountians of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 24 Dec 2001 08:38:35 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: qrp-1@lehigh.edu
Subject: [115814] Another 5763 rig lives!
Message-ID: <Pine.BSF.4.40.0112240818190.11460-100000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

I got my breadboarded MOPA rig working more or less the way I want. There are still other improvements, like shock-proof keying and T/R switching, that need to be added, but the basic transmitter is percolating right along. Once it's repackaged, I'll post more photos and a schematic. I took a couple of photos of the breadboard and you can see then at:

<<http://vintage.best.vwh.net/qrp/qrp.html>>

73,
Bob - W3CD

Date: Mon, 24 Dec 2001 00:58:41 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115815] Re: RF activated Side tone osc
Message-ID: <002601c18c59\$31533840\$af25cd18@charterpipeline.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congrats Steven, but I think you have made it more complicated than is required.

Several years ago I built a one chip "CP0" using the 555 chip. Like you, I developed the voltage required to run it by using the same "voltage doubler" system. But instead of a sense antenna, I connected a .01 mfd disk cap from the antenna line of my 5w QRP rig directly to the voltage doubler and thence to the 555 circuit. In the original design (found in an old copy of "How to become a radio amateur...") the code practice oscillator was keyed by turning on and off the battery.

In my version of the monitor, the battery was eliminated and the voltage was developed by the pair of diodes. I will admit the audio quality (square wave) was pretty raspy, but the parts count was significantly lower!

The raspy tone, incidentally, was fed directly into the audio chain of the "Barbados" receiver designed by Rusgrove, et. al., in QST in about 1980-82.

Best 72/73 and happy holidays.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Mon, 24 Dec 2001 09:52:59 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: kd1jv@moose.ncia.net
Cc: qrp-l@lehigh.edu
Subject: [115816] Re: RF activated Side tone osc
Message-ID: <Pine.BSF.4.40.0112240933540.11460-1000000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Steve & Gang,

I'm debating between an RF-activated sidetone and a neon-bulb relaxation oscillator sidetone generator. The ARRL has an article on the "Novice Special" transmitter on their web site at:
<<http://www.arrl.org/members-only/tis/info/pdf/71hb181.pdf>>
On the last page is a two-transistor (germanium, naturally) multivibrator that's powered by rectified RF. This originally appeared

in QST, Nov. 1968. The neon bulb sidetone circuit is part of a 3-Band Novice transmitter that appeared in the mid 60's Handbooks. That circuit can't get much simpler. Of course, one must use high impedance cans. Hey, this is all retro, right?

73 & Happy Holidays,
Bob - W3CD

Date: Mon, 24 Dec 2001 05:30:23 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115817] Re: Tubes, In Defense of
Message-ID: <5.0.2.1.0.20011224050001.00ab0a40@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:40 PM 12/23/2001 -0500, George Gingell wrote:

>I was going to start off about the FACT that Tubes Are in fact still in
>use in many forms, and are Still in production around the world.
>
>We should in fact Thank Karl, for his Comments, regardless of his intent.
>
>It has sparked one of the more interesting Threads on this list in many
>months.
>SNIP
>Back to the Article, The First real Computer Was the ENIAC nearly 18,000
>"Vacuum Tubes". I still remember a High School Field Trip to David Taylor
>Model Basin here in the Washington, D.C. area Home of a UNIVAC.
>
>SNIP

>George that was a fun post! Thanks. :-) I like toobos as much as you do and
I did some reading about the Einac and it drew 160 KW actually dimming the
lights
in the part of Philly where it ran. I remember reading (a few years ago) that it
would not run very long as a tech would need to replace a tube. The article
I read said it had 5 million soldered joints. Ouch! Found the info with a
Google search.
Happy Holidays to All!
Pete NV4V

Date: Mon, 24 Dec 2001 05:57:22 -0600
From: Mike <mmorrow@companet.net>
To: pwhelton@hal-pc.org
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115818] Re: My RIT versus the K1s & K2s
Message-ID: <3C271822.3452@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pat J. Whelton wrote:

> I call CQ and tune with my RIT and invariably I have to turn
> the RIT to the right about a quarter turn to tune the station in properly.

> I wonder if I need to play with the tuning slugs some to get the received
> signal zero beat?

Pat,

Your transmit signal frequency should be offset from your receive frequency by the frequency of the sidetone you prefer. If your receiver operates on LSB, the transmit should be offset BELOW your receive frequency. If your receiver operates on USB, the transmit should be offset ABOVE your receive frequency.

To tell which mode your receiver uses, do this: Tune UP in frequency while copying a signal. If the pitch gets HIGHER, your receiver is in LSB mode. If the pitch gets LOWER, your receiver is in USB mode.

Example: You find your receiver operated in LSB mode, and you like a 800 Hz (0.8 kHz) sidetone. If you have zero-beat your receiver with an external test signal set to, say, 7010 kHz, then you need to adjust the offset on your rig such that it transmits 0.8 kHz below 7.010, or:

$7010 \text{ kHz} - 0.8 \text{ kHz} = 7009.2 \text{ kHz}.$

The K1/K2 connection is just a coincidence.

Mike / KK5F

Date: Mon, 24 Dec 2001 07:35:56 -0500
From: "J. Duffy Beischel" <duffy01@fuse.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
K4IA@aol.com
Subject: [115819] Re: Phone spectrum land grab, as expected
Message-ID: <XVJD3ZXVURUPWUPOPNGERNPN1UECVUX.3c27212c@computer>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

12/23/01 8:13:26 PM, K4IA@aol.com wrote:

Is a Reply to the news bulletin on eHam:

>

>Eliminating Novice bands is the wrong answer to the wrong question. We need
>more Novices!

The Novice class does not exist anymore except for the existing Novices. Which means this class is continuing to shrink and cannot grow.

>eHam ran a survey not too long ago and close to 2/3's of the respondents said
>CW was their PRIMARY mode. CW is far from dead.

Not a scientific study by any stretch. I really question that conclusion. Just listen to the bands, Phone and Digital will have more users on the bands at almost any given time except maybe a CW contest.

>Trouble is, they (FCC encouraged by ARRL) have made a terrible mistake by
>eliminating the most important license of all: the entry-level Novice class.
>We hear the lament there is no new blood in the hobby (whoops, I meant
>"service") and the League answers with harder tests and an all-out assault on
>the Primary Mode. And, oh yes, let's spend a lot of money encouraging our
>youth with the Big Project, teaching ham radio as an adjunct to the internet.

The Technician Class is the entry level class now. It makes sense. You cannot interest the internet generation in ham radio by making pass a CW test. Kids just do not see CW as fun compared to their computers. They may develop an interest AFTER getting into ham radio. But, a mostly CW class of license is dead and thank God it is dead.

>I liked the Novice idea: a very simple test conferred limited privileges for
>one year. This encouraged me to try ham radio. I did it because I could. It
>was attainable, reasonable and achievable. I was put in a CW sub-band with
>limited power where I couldn't hurt anything and learned how to communicate
>around the world. That's incentive!

Well no it was not an incentive. We lost a tremendous number of Novices that could not upgrade in the one year, then two year time frame. Some people back then just did not have the time to get the CW speed up and ended up dropping out. Yes you did it and it was attainable for you, but that may not be the case for others.

>
>To say the Novice CW bands are underutilized and therefore need to become
>phone bands is the wrong approach. That doesn't add anything to our numbers.
>It won't eliminate QRM - existing users will just spread out. The answer to a
>lack of activity on the bands is to fill up the bands from the bottom. We
>need more Novices.

This ignores the fact that phone and digital modes are growing in use and CW is
steady to a decline in use. Forget the eHam responses, just listen to the bands.
At just about any time I can find more stations on
PSK than CW. CW is not dead, but it is not the primary mode of choice among the
average ham.

I do agree, we need more hams, no matter what the class is. We need more classes
to get people to pass that first test and get into ham radio. I just strongly
disagree that you can attract mass numbers of people
with a CW type license. We have been down that road already and it was dying. CW
does not interest young people in general.

JMHO and Merry Christmas!

Duffy - WB8NUT

>
>Radio K4IA
>Craig Buck
>Fredericksburg, Virginia USA
>QRP ARCI #2550 FISTS #6702 CC 788 Diamond #64
>K1 #470
>-----
>For cheap long distance, 800#s and more
>Tune to http://www.ld.net/?bucksavers
>
>4.9 cents/min - no monthly fees
>

J. Duffy Beischel - Amateur Radio WB8NUT

Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
and the vast Right Wing conspiracy to get the Clintons

"If the government owned all the guns, would we still be a free people?"

Date: Mon, 24 Dec 2001 12:42:21 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115820] Re: Tubes, In Defense of
Message-ID: <5.1.0.14.0.20011224124121.01c0df80@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi George es the gang,
Wayne K9DI es Sequoia here. Normally I hate to contradict my
elders, but the statement:
The First real Computer Was the ENIAC nearly 18,000 "Vacuum Tubes".
is erroneous.

The first real computer was the Atonnisoff (sp) Barry Computer
built in the early thirties at a University in Iowa.
72 es M00/00

>Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800
<http://k9di.homestead.com/K9DIHam1.html>

Date: Mon, 24 Dec 2001 07:57:53 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115821] Ping - no message
Message-ID: <001d01c18c7a\$9a006360\$0400a8c0@home.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Date: Mon, 24 Dec 2001 13:01:58 +0000
From: Dragon Singer <WM-Scace@wiu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115822] Re: Phone spectrum land grab, as expected
Message-ID: <5.1.0.14.0.20011224124643.02c128e8@pop3.wiu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Duffy es the gang,
Wayne K9DI es Sequoia here. Duffy Ur statement:
"You cannot interest the internet generation in ham radio by
making pass a CW test. Kids just do not see CW as fun compared to their
computers."
Is, from the empirical evidence I've gathered, erroneous. Case
in point, CW was one of the big draws fer me to Hamming (Tnx to the authors
of Nancy Drew es The Hardy Boys mysteries). Second case in point, I
recently had the opportunity to teach two 6th grade classes es I
demonstrated CW to them as part of my lecture on the Titanic disaster, es
as part of a lecture/demo about Ham radio. Both groups of kids lapped it
up!! They got excited about the fact that they already knew 2 of the Morse
characters (o, es s), es when I sent each student their name in CW they
just seemed to glow. As I was packing up I overheard some of the students
talking about the presentations es the recurring statement I heard was
"Morse code is cool!!"
A limited data set, I admit, but the data does not support Ur
statement. Your Mileage May Vary.
72 es M00/00 Merry Christmas
de
Wayne K9DI
Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313
FISTS# 4409
QRP-L# 2313
FPQRP-L# 217

SOC# 452
ARS # 1,082
Zombie # 800
<http://k9di.homestead.com/K9DIHam1.html>

Date: Mon, 24 Dec 2001 08:10:09 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <WM-Scace@wiu.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115823] Re: Phone spectrum land grab, as expected
Message-ID: <00ff01c18c7c\$5254b140\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

From: "Dragon Singer" <WM-Scace@wiu.edu>
> Is, from the empirical evidence I've gathered, erroneous.
Case
> in point, CW was one of the big draws for me to Hamming (Tnx to the
authors
> of Nancy Drew and The Hardy Boys mysteries). Second case in point, I
> recently had the opportunity to teach two 6th grade classes and I
> demonstrated CW to them as part of my lecture on the Titanic disaster,
and
> as part of a lecture/demo about Ham radio. Both groups of kids lapped
it
> up!! They got excited about the fact that they already knew 2 of the
Morse
> characters (oh yes), and when I sent each student their name in CW they
> just seemed to glow. As I was packing up I overheard some of the
students
> talking about the presentations and the recurring statement I heard was
> "Morse code is cool!!"

Come on... Overall?? CW was the BIG impediment to MOST of the
folks who are NOT in HAM radio. Trying to say it's not an impediment
to the people that ARE in HAM radio, specifically the old-timers that had
only ONE entry to HAM radio and that with a CW test before they were
even allowed to take other test is ... well, I don't want to insult you.

An attraction to new people? Not hardly!

But, if you think you've found a way to make it interesting, especially
to kids, you may have something that a LOT of people would be

interested in.

Now the question quickly becomes whether the interest show by the kids is a passing interest from the dynamics of how you presented it, or is it something that planted a serious seed in their minds.

Mike

Date: Mon, 24 Dec 2001 08:16:45 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "Bruce Muscolino" <w6toy@erols.com>,
 "Bill Coleman" <aa4lr@arrl.net>, "QRP" <qrp-1@lehigh.edu>
Subject: [115824] Re: ARRL and Band Threat
Message-ID: <20011224131757.BYWW28533.imf09bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/20/01 11:13 AM, Bruce Muscolino at w6toy@erols.com wrote:

>When? In what lifetime? And in what region? As long as I have been
>licensed (since 1956) and as long as I have been a SWL (since 1953) it
>has been as it is today.

Pre-WW II.

40m was 7-8 MHz, all CW.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 24 Dec 2001 08:54:28 -0500
From: kg4dzu@juno.com
To: WM-Scace@wiu.edu
Cc: qrp-1@Lehigh.EDU
Subject: [115825] Re: Phone spectrum land grab, as expected
Message-ID: <20011224.085429.-16273737.0.kg4dzu@juno.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne wrote:

'Second case in point, I recently had the opportunity to teach two 6th grade classes as I demonstrated CW to them as part of my lecture on the Titanic disaster, as part of a lecture/demo about Ham radio. Both groups of kids lapped it up!! They got excited about the fact that they already knew 2 of the Morse characters (o, es s), as when I sent each student their name in CW they just seemed to glow. As I was packing up I overheard some of the students talking about the presentations as the recurring statement I heard was "Morse code is cool!!"

I had a similar experience last summer. We had three little girls staying with us for a week while their folks went to the beach. They were fascinated by my radio shack and wanted to 'try it'. I let them use my keyer off the air and began showing them how to send their names. Seems like everytime they came into the family room after that they wanted to use the keyer. (They don't watch TV in their home so they seem to be more inquisitive about new things. They also homeschool which makes me wonder what would happen if someone wrote a good homeschool curriculum for amateur radio? Both the students and the parents might catch the bug.) These girls were in 2 & 3rd grade. If we would have had more time, I would wager that they would be able to pass 13wpm with a weeks effort. That age is certainly the time to learn!

I guess attitude is everything.

FWIW,
72 & oo's,
Bruce Shaw, Gibsonville, NC
KG4DZU/QRP
FP-QRP #-89, QRP-ARCI #10242, QRP-L #2192, SOC #203, VQS#63, FISTS #6911,
Knightlites,10-10# 71098, MI-QRP #1708

Date: Mon, 24 Dec 2001 08:59:35 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [115826] MI QRP Net Tuesday night 9:00PM Eastern time 3.535 Mhz
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E32C3C45@tryexch01.NorthAmerica.DelphiAuto.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

There WILL be a net on Christmas Day. Check in and tell what you got =
for
presents.=20

1219=D81 3.535 CW K25W N8UN 579 599 EAST JORDAN MI ED MI QRP NET=20
1219=D81 3.535 CW K25W N3WT 579 589 JEFFERSON MD JOHN MI QRP NET=20
1219=D81 3.535 CW K25W W8IQB 599 589 BRISTOL MI LOWELL MI QRP NET=20
1219=D81 3.535 CW K25W W8EGI 579 589 EAST LANSING MI DON MI QRP NET=20

Ed AB8DF Waterford, MI=20

Date: Mon, 24 Dec 2001 09:15:11 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115827] Christmas Night truffle!
Message-ID: <KHEKJAKPCEKFOHMPKJPDIEJNCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,
This year I am honored to host a special guest for the Xmas night truffle
hunt.
None other than Santa Clause himself will drop by the shack and run the club
call W8PIG.

Since wherever Santa is, is considered the "North Pole", the exchange will
be:
tu 559 np santa 3w

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

Date: Mon, 24 Dec 2001 09:16:33 -0500

From: Rick McNelly <rmcnelly@home.com>
To: <qrp-1@lehigh.edu>
Subject: [115828] Electricity theory
Message-ID: <B84CA2F1.2A108%rmcnelly@home.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Found on a motorcycle list:

>From the pen of Dick Seng:

ALL ABOUT ELECTRICITY (From an expert) :-)

I have been fiddlin' with electricity for years. I'd like to pass along some of my vast knowledge about this stuff.

1. Electricity is manufactured in power plants where it is fed into wires and wrapped around large drums that hang on poles.
2. Some electricity does not need to go through wires, like that used for lightning, for example, and portable radios. This kind of electricity is not manufactured, but just hangs around in the air, loose.
3. Electricity makes a low humming noise. This noise may be pitched differently for use in telephones, doorbells, and electronic organs.
4. Electricity must be grounded before it can function - except in airplanes, which have their own arrangements.
5. Although electricity does not leak out of an empty socket, if you put your finger in the socket you can tell it's there. So if it is not leaking out, what else is it doing?
6. Electricity is made of two ingredients, negative and positive. One ingredient travels along a wire covered with white plastic, the other ingredient along a wire covered with black plastic. These two wires connect to a device called a plug. There, the two ingredients are mixed to form electricity.
7. Electricity may be stored in boxes, called batteries. Big batteries do not necessarily hold more electricity than small ones. In big batteries, the electricity is shoveled in, while in small batteries, it is packed in flat.
8. The electric switch contains a sort of vise grip that squeezes the wire very hard so the electricity can't get through. Opening (turning 'on') the switch releases the vise grip and the electricity can flow.

9. Electricity goes into a light bulb where for the first time we can see it! It is enlarged many times by the curvature of the bulb, which is made of magnifying glass.

10. Why does the light bulb blow out? 'Cause as any schoolboy knows, heat converts oxygen in the bulb into moisture. When all the oxygen becomes moisture, then the water quenches the spark.

11. Colored electricity lights red and green bulbs and stoplights.

12. Negative electricity runs refrigerators.

13. Smoke. Smoke is critical for electrical parts to function -- Smoke stays in, electrical parts work okay. Smoke comes out, electrical parts are broken.

14. Some people who don't understand electricity wire their fuse boxes to hold little glass things with fuse wire in them. I find chicken wire better, and it won't blow out, even if the dryer goes up in flames.

Despite all this vast knowledge, I still don't understand a few things about electricity, like how a computer that speaks English can be programmed to speak French, which is a different voltage. Also, neon signs are a mystery. How is electricity trained to spell things out? How does electricity know when the toast is ready?

--

72/73,

--Rick, KE4IZH
FT817/Sierra
KLR650-A14
'01 Blast
Chesapeake, Va

Date: Mon, 24 Dec 2001 09:55:44 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115829] On Topic: HB - the crystals are here!
Message-ID: <002701c18c8b\$10bdc6e0\$0400a8c0@home.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The NORCAL crystals arrived the other day. One Big THANK YOU, Doug. You are appreciated.

I ordered some 7122 KHz. crystals. I'll be on that frequency very shortly. If we don't use what's left of the novice band, in two years the phone boys will be coming back for it, too. Maybe we could have an occasional sprint type contest on 7100-7125 KHz. If you have more than one 40 meter monobander, retune one to that segment. I wonder how we could do at night with a good notch filter on the receiver. It may be easier notching out a bc carrier than fighting dozens of packet & rtty signals.

Looking forward to getting back on 20 meters. The new rig will use a parallel crystal VX0 to give me a little wiggle room around 14060 KHz.

The 40 meter VX0 1 watter is finished and in the shack. It puts out 1 watt, and covers about 7028 - 7053 KHz. Maybe I can help a few folks work the Lower Counties 2XQRP with this one.

Another Opinion: Forget trying to attract 6th graders to ham radio. You'll have better luck with your 40ish techy friends.

72
Hap, WA3PTG
Wilmington, DE

Date: Mon, 24 Dec 2001 09:57:52 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115830] RE: Christmas Night truffle!
Message-ID: <KHEKJAKPCEKFOHMPKJPDAEKACAAA.n8ie@woh.rr.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim and all,
I made a quick call to Santa and he really liked this idea!

So, for you hounds send if you have been naughty or nice as Jim suggested
and in the final log, Santa will give us the real truth. :-D

Example from AF4PS:
tu nty fl mac 5w

Remember the Truffle hunt is tomorrow night at 8:30 EST on or around 7.044

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----
From: n5ib@juno.com [mailto:n5ib@juno.com]
Sent: Monday, December 24, 2001 9:33 AM
To: n8ie@woh.rr.com
Subject: Re: Christmas Night truffle!

Hi Dan,

I suggest that we hounds, err, swine, err, whatever.... instead of giving
the usual RST, rather should report our status as "naughty" or "nice" to
Santa :^)) perhaps

NTY - "I've been naughty"
NIC - "I've been nice"

Santa can, instead of QRZ, send QHO :^))

72
Jim N5IB

Date: Mon, 24 Dec 2001 10:07:32 -0500
From: John Wagner <john@wagner-usa.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [115831] Re: Phone spectrum land grab, as expected
Message-ID: <3C2744B4.2DB1C7F8@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne,

About the only answer I can up with to refute what you say is my own personal empirical evidence; my kids and their friends.

My oldest knows about 8 letters in CW now. He's not real interested in learning more. Why should he? He can play games and chat to people on the internet without it. For him the internet has always be there and will always be (his perception). Heck, the internet will only get better and more universally accesible for him.

Some of my kids friends took an interest in my radios. They wanted to talk and wanted nothing to do with CW. Maybe it was my presentation, maybe not. They enjoyed talking though and we worked a Ham in Oregon who was a real good sport about it. I think it's because they already know how to talk, so they had nothing impeding them from getting on the air.

CW has been an artificial impediment and has kept a LOT of good people out of this hobby. Those who don't think so are seriously fooling themselves. I think there is overwhelming evidence that CW doesn't prove anything other then the fact that someone has been trained in CW. It doesn't make them a better, nicer person. It doesn't "open their mind" and it certainly doesn't prove someone knows anything about radio, whether they took their CW test in front of an FCC examiner or not.

Yes, the Phone bands are going to expand and the CW segments are going to shrink. That's because the CW sub-bands are going unused and, IMO, the reason is there are less and less CW ops out there. The reasons for the dwindling numbers of CW ops are pretty obvious, to me anyway.

The people get the bandplan they deserve.

73 es HH,

John, N1QO

Dragon Singer wrote:

>
> Hi Duffy es the gang,
> Wayne K9DI es Sequoia here. Duffy Ur statement:
> "You cannot interest the internet generation in ham radio by
> making pass a CW test. Kids just do not see CW as fun compared to their

> computers."
> Is, from the empirical evidence I've gathered, erroneous. Case
> in point, CW was one of the big draws for me to Hamming (Tnx to the authors
> of Nancy Drew and The Hardy Boys mysteries). Second case in point, I
> recently had the opportunity to teach two 6th grade classes and I
> demonstrated CW to them as part of my lecture on the Titanic disaster, and
> as part of a lecture/demo about Ham radio. Both groups of kids lapped it
> up!! They got excited about the fact that they already knew 2 of the Morse
> characters (oh, yes), and when I sent each student their name in CW they
> just seemed to glow. As I was packing up I overheard some of the students
> talking about the presentations and the recurring statement I heard was
> "Morse code is cool!!"
> A limited data set, I admit, but the data does not support Ur
> statement. Your Mileage May Vary.
> 72 and M00/00 Merry Christmas
> de
> Wayne K9DI
> Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS # 1,082
> Zombie # 800
> <http://k9di.homestead.com/K9DIHam1.html>

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Mon, 24 Dec 2001 10:10:06 -0500
From: "Brian" <brian@iquest.net>
To: "N8IE" <n8ie@woh.rr.com>, "QRP-1" <qrp-1@lehigh.edu>,
"FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115832] Re: [fpqrp] RE: Christmas Night truffle!
Message-ID: <003a01c18c8d\$12ed3f20\$872f2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Don't you mean:

Example from AF4PS:

tu VY VY nty fl mac 5w

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

----- Original Message -----

From: "N8IE" <n8ie@woh.rr.com>

To: "QRP-1" <qrp-1@lehigh.edu>; "FPQRP-1" <fpqrp-1@mpna.com>

Sent: Monday, December 24, 2001 9:57 AM

Subject: [fpqrp] RE: Christmas Night truffle!

> Jim and all,
> I made a quick call to Santa and he really liked this idea!
>
> So, for you hounds send if you have been naughty or nice as Jim
suggested
> and in the final log, Santa will give us the real truth. :-D
>
> Example from AF4PS:
> tu nty fl mac 5w
>
> Remember the Truffle hunt is tomorrow night at 8:30 EST on or around
7.044
>
> 72, oo
> Dan, N8IE
> FPQRP #-6, FISTS #4985
> QRP-1 #1404, ARCI #11003
>
> -----Original Message-----
> From: n5ib@juno.com [mailto:n5ib@juno.com]
> Sent: Monday, December 24, 2001 9:33 AM
> To: n8ie@woh.rr.com
> Subject: Re: Christmas Night truffle!
>
>
> Hi Dan,

>
> I suggest that we hounds, err, swine, err, whatever.... instead of
giving
> the usual RST, rather should report our status as "naughty" or
"nice" to
> Santa :^)) perhaps
>
> NTY - "I've been naughty"
> NIC - "I've been nice"
>
> Santa can, instead of QRZ, send QHO :^))
>
> 72
> Jim N5IB
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-1 -
>
>

Date: Mon, 24 Dec 2001 10:12:56 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "Brian" <brian@iquest.net>, "QRP-1" <qrp-1@lehigh.edu>,
"FPQRP-1" <fpqrp-1@mpna.com>
Subject: [115833] RE: [fpqrp] RE: Christmas Night truffle!
Message-ID: <KHEKJAKPCEKFOHMPKJPDKEKBCAAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well yeah, but Santa only has a 30 minute window to work with. Mac could
chew up most of that with all the "VY" he would need.

72, oo
Dan, N8IE
FPQRP #-6, FISTS #4985
QRP-1 #1404, ARCI #11003

-----Original Message-----
From: Brian [mailto:brian@iquest.net]
Sent: Monday, December 24, 2001 10:10 AM
To: N8IE; QRP-1; FPQRP-1
Subject: Re: [fpqrp] RE: Christmas Night truffle!

Don't you mean:

Example from AF4PS:

tu VY VY nty fl mac 5w

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

----- Original Message -----

From: "N8IE" <n8ie@woh.rr.com>

To: "QRP-1" <qrp-1@lehigh.edu>; "FPQRP-1" <fpqrp-1@mpna.com>

Sent: Monday, December 24, 2001 9:57 AM

Subject: [fpqrp] RE: Christmas Night truffle!

```
> Jim and all,
> I made a quick call to Santa and he really liked this idea!
>
> So, for you hounds send if you have been naughty or nice as Jim
suggested
> and in the final log, Santa will give us the real truth. :-D
>
> Example from AF4PS:
> tu nty fl mac 5w
>
> Remember the Truffle hunt is tomorrow night at 8:30 EST on or around
7.044
>
> 72, oo
> Dan, N8IE
> FPQRP #-6, FISTS #4985
> QRP-1 #1404, ARCI #11003
>
> -----Original Message-----
> From: n5ib@juno.com [mailto:n5ib@juno.com]
> Sent: Monday, December 24, 2001 9:33 AM
> To: n8ie@woh.rr.com
> Subject: Re: Christmas Night truffle!
>
```

>
> Hi Dan,
>
> I suggest that we hounds, err, swine, err, whatever.... instead of
giving
> the usual RST, rather should report our status as "naughty" or
"nice" to
> Santa :^)) perhaps
>
> NTY - "I've been naughty"
> NIC - "I've been nice"
>
> Santa can, instead of QRZ, send QHO :^))
>
> 72
> Jim N5IB
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
fpqrp-l -
>
>

Date: Mon, 24 Dec 2001 07:14:23 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: kg4dzu@juno.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115834] Re: Phone spectrum land grab, as expected
Message-ID: <20011224151423.67546.qmail@web14208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ok, I think we all will agree that this list is no
place to argue the merits of CW. We are qrp nuts and
we all love cw. Some of us also like to use phone, are
mouth is just bigger, HI HI.

We all also agree that the Novice is a thing of the
past. The tech is the way to start now. They can take
5wpm and get on HF too.

If anyone had the experience of the gentleman who
posted, I do hope they followed through and that there
are some new Tech's walking around with the 5wpm

certificate. If not, shame on you all. To be that close and not to follow up is a true sin. You have just helped the decline of the hobby.

What we need to be talking about are ways to get the Tech's working first phone and then CW on 6 and 2 meters. This will get them interested in grid square hunting and will have them moving up to 432, 1296 and beyond. This is what will save this hobby, not a bunch of old farts sitting around and complaining about losing some CW freq's.

For those of you who have not tried 6 or 2 meter CW/SSB you have missed some fun. There are kits out there for 6 meter and 2 meter transverters. Give a try, you may be like Mikey and like it.

Back to my cave for now. You all have safe holidays and work a ton of DX.

73 Bill KC4ATU

Do You Yahoo!?

Send your FREE holiday greetings online!

<http://greetings.yahoo.com>

Date: Mon, 24 Dec 2001 10:26:15 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "'fpqrp@egroups.com'" <fpqrp@egroups.com>,
50mhz <50mhz@topica.com>,
Subject: [115835] Merry Christmas To All....
Message-ID: <3C274917.50DFBDA1@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just want to take this time to wish everyone a Safe and Merry Christmas.
Peace on earth, and goodwill toward all men.
Our prayers and thoughts are also with those fighting to protect our freedom.

Fred
Thunder Bay, Ontario
VE3FAL

Date: Mon, 24 Dec 2001 08:32:23 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <mmorrow@companet.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115836] Re: My RIT versus the K1s & K2s
Message-ID: <004d01c18c90\$2f78a6e0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mike" <mmorrow@companet.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 24, 2001 4:57 AM
Subject: Re: My RIT versus the K1s & K2s

> Pat J. Whelton wrote:
>
> > I call CQ and tune with my RIT and invariably I have to turn
> > the RIT to the right about a quarter turn to tune the station in
properly.
>
> > I wonder if I need to play with the tuning slugs some to get the
received
> > signal zero beat?
>
> Pat,
>
> Your transmit signal frequency should be offset from your receive
> frequency by the frequency of the sidetone you prefer. If your
receiver

Stating it this way makes it sound like the TX frequency should be
offset from the desired operating frequency. (And, I've seen at least
one other comment about offset TX frequencies)

In the interest of clarity for the newcomer: Good amateur practice
would suggest that your transmit frequency be set such that your
emission and your rig's readout are the one and the same. For example
if you rig's readout says 7040 then it is actually transmitting on
7040. If you apply an offset, and transmit up or down a bit you could
be QRMing someone. Also, if both stations TX on slightly different

frequencies more bandwidth is being consumed (than is necessary)
during the QSO.

In practice it is the __RX BFO that is offset__ from the desired
TX/operating signal in either a positive or negative direction. In a
Superhet radio, the local oscillator (LO) converts the received signal
to a fixed IF frequency, this is then mixed with the BFO to produce
the sound of the CW note. For example:

TX/Op FREQ = 14060 kHz
IF Freq = 9000 kHz
Sidetone = 700 Hz

```
RX Sig (14060) -> Mixer (9000) -> IF -> Det -> 700 Hz
                  ^                               ^
                  |                               |
                  LO                               BFO
                  5060                           9000.700
```

NOTE: The example above is +offset. If the BFO was set
to 8999.3 kHz a 700 Hz note would be produced, and
this would be -offset.

Getting back to the original problem: It's difficult to tell the exact
problem. I suggest aligning the rig to manufactures specs as a start.
Without knowing more about the rig in question (don't have the
original post) It's difficult to say where the problem may lie.

Happy Holidays
73, Rod NØRC
Ft Collins, CO

Date: Mon, 24 Dec 2001 09:56:42 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-1@LeHigh.EDU>
Subject: [115837] Re: [GQRP] NVIS Book Review (fwd)
Message-ID: <Pine.LNX.4.33.0112240956000.22772-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

----- Forwarded message -----

Date: Mon, 24 Dec 2001 09:50:38 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: g3cwi <G3cwi@tesco.net>
Cc: GQRP@yahoogroups.com
Subject: Re: [GQRP] NVIS Book Review

...from QRP-Canada, a MERRY CHRISTMAS and the best of many New Years to
come!!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Mon, 24 Dec 2001 08:03:39 -0800 (PST)
From: Kenneth Broga <w9qs@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115838] OHR500 Question
Message-ID: <20011224160339.59617.qmail@web21203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I am finishing up an OHR500 and have a problem. Both
the local Osc. and all 5 Bands ocs. seem to be just
fine. I don't any mix out of the the dual mosfet(Q100
3SK73) just the Band Freq. Both signals are at the
inputs. I'm leaning toward replacing Q100. Any other
ideas or something I might have missed.

73

Mike, W9QS

Do You Yahoo!?

Send your FREE holiday greetings online!
<http://greetings.yahoo.com>

Date: Mon, 24 Dec 2001 09:10:41 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"cqc-1" <CQCLIST@yahoogroups.com>, <ncarc@qth.net>
Subject: [115839] Re: CORRECTED FS: Linksys BEFSR41 (was BEFSR11)
Message-ID: <002d01c18c95\$89103100\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This item is sold.

----- Original Message -----
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>; "cqc-1"
<CQCLIST@yahoogroups.com>; <ncarc@qth.net>
Sent: Sunday, December 23, 2001 8:41 AM
Subject: CORRECTED FS: Linksys BEFSR41 (was BEFSR11)

> Before I take this to eBay:
>
> Linksys EtherFast 4-Port Cable/DSL Router, ~1year old, \$65 shipped
> CONUS. (Locals can pickup for \$60)
>
> Looks and works like new, I replaced it with a 802.11b device.
>
> ***Happy Holidays***
> 73, Rod N0RC
> Ft Collins, CO
>
>

Date: Mon, 24 Dec 2001 11:19:01 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: WM-Scace@wiu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115840] REAL COMPUTER ???
Message-ID: <3C275575.4054D105@bellsouth.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OK guys... How do you determine the meaning of a "REAL
COMPUTER"??? How is it defined. I think it was LONG before
that!

Jerry
W3CDE

Dragon Singer wrote:

>
> Hi George es the gang,
> Wayne K9DI es Sequoia here. Normally I hate to contradict my
> elders, but the statement:
> The First real Computer Was the ENIAC nearly 18,000 "Vacuum Tubes".
> is erroneous.
> The first real computer was the Atonnisoff (sp) Barry Computer
> built in the early thirties at a University in Iowa.
> 72 es M00/00
>
> >Respectfully and Sincerely Yours,
>
> Wayne M. Scace
>
> k9di@arrl.net
> LICQ# 315313
> FISTS# 4409
> QRP-L# 2313
> FPQRP-L# 217
> SOC# 452
> ARS # 1,082
> Zombie # 800
> <http://k9di.homestead.com/K9DIHam1.html>

Date: Mon, 24 Dec 2001 10:19:11 -0600 (CST)
From: "Rich Dailey, KA8OKH" <okh.npi@gte.net>
To: seco.mail@gte.net
Cc: tine.brajnik@guest.arnes.si, glatt225@aol.com, maggie@voicenet.com,
 nilsbull@juno.com, cjl@mitre.org, dk3red@t-online.de,
Subject: [115841] Happy Holidays
Message-ID: <3.0.16.20011224161821.3e9f2ab2@mail.gte.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Happy Holidays and all the best in 2002!

Phyllis, KB4NPI
Rich, KA8OKH

Rich Dailey, KA8OKH - Phyllis Dailey, KB4NPI
<<http://home1.gte.net/web22jfw/>>

Date: Mon, 24 Dec 2001 11:20:09 -0500
From: Dan Wolfe <n4roa@mounet.com>
To: qrp-1@Lehigh.EDU
Subject: [115842] Milliwatt Contest
Message-ID: <3C2755B9.265B@mounet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings All,

I will try to operate the contest with our local club call. Listen for KF4VTM. Power level around 100mw. Please get on the air for a few contacts and have fun.

Happy holidays to all.

72/73..Dan, N4ROA

Date: Mon, 24 Dec 2001 16:35:05 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: w3cde@bellsouth.net, qrp-1@Lehigh.EDU
Subject: [115843] Re: REAL COMPUTER ???
Message-ID: <F154oeCVHscQIx8gu0000db11@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "W3CDE Jerry L." <w3cde@bellsouth.net>
>Reply-To: w3cde@bellsouth.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: REAL COMPUTER ???
>Date: Mon, 24 Dec 2001 11:19:01 -0500
>
>
>
>OK guys... How do you determine the meaning of a "REAL
>COMPUTER"??? How is it defined. I think it was LONG before
>that!

How about Babbage's Analytical Engine, designed (and partly built) in the 19th century? It had all the features of a computer, although it was a mechanical system.

Then there was Konrad Zuse's relay computer, built in the 1930s in his bedroom in his parent's house.

It could also be argued that the Cambridge University EDSAC was the first 'real' computer.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Mon, 24 Dec 2001 11:42:21 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: bdh@cyberbound.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115844] Re: Windows XP
Message-ID: <3C275AED.6E0AF7B8@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you want to save some money... This version of XP is only an interim release.. i.e. the real "working" version is scheduled for late 2002 to early 2003. This version is know to have many bugs and other "undocumented features...".

A clean install is the only way to go if you want a working system. Upgrades, just do not work! and will cause continuous pain till you blow it all away and do a clean install. This is a know "feature" of XP.

This is why we are not upgrading our 4500 PC at work!

Jerry
W3CDE

Date: Mon, 24 Dec 2001 11:40:45 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: qrp-1@Lehigh.EDU
Subject: [115845] [Elmer 101] Toroid Lead Stripping & More
Message-ID: <0F2308CFD9.7F1FEEFF-ON85256B2C.00572A88@pmi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've struggled to strip and tin the leads of L1 using the time-honored method of burning the enamel off with a blob of solder on the tip of a hot (800 degF) soldering iron. For whatever reason, this method used by me in the past on other projects, simply didn't work. Neither did the flame of a butane lighter carefully applied to the lead. In the end, I succeeded using the scrape 'n sand method, but wondered what properties or type of the wire/enamel make heat stripping possible?

I'm looking impatiently forward to the next installment of "Elmer 101".....!

Merry Christmas All!

Steve
aa8af

Date: Mon, 24 Dec 2001 11:48:51 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <leon_heller@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115846] Re: REAL COMPUTER ???
Message-ID: <004201c18c9a\$f713b280\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> How about Babbage's Analytical Engine, designed (and partly built) in
the
> 19th century? It had all the features of a computer, although it was a
> mechanical system.

I think it's safe to say that mechanical devices don't qualify for this
discussion. Although in actual fact, there were some really neat things
built a long time ago.

Is this the point wher Dr Brown appears and says "It runs on steam!"

> It could also be argued that the Cambridge University EDSAC was the
> first 'real' computer.

This I think is a valid point for discussion. I've here this claim made
before,
and I do remember that there was a distiction in the programming that
was why ENIAC was generally considered as the first.

Mike

Date: Mon, 24 Dec 2001 11:56:27 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <Steve.Lawrence@ITWFEG.COM>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115847] Re: [Elmer 101] Toroid Lead Stripping & More
Message-ID: <005b01c18c9c\$1158bea0\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I used a 'combination' method when I built my K2 and it's options.

Fist, I used a 'tissue clamp'. These look like hemostats but at the end instead of a flat serrated surface to home things, has two 'claws' that are perfect for grabbing a torroid and holding it in place.

Then I used a small Bic to 'burn' the enamel off the wire. Once burned, I scraped it with the 'back side' (ie, the 'square' edge') of an X-Acto blade. Alternatively, I could have 'wiped' the lead with a piece of sandpaper. The only problem there was holding the paper. A LONG time ago I had some 'rubber thimbles' that I used, and I used the 'sticky' sandpaper for industrial disk. That seemed to work well. Put on the rubber thimbles on thumb and finger, grab the wire, and rub. But I couldn't find that setup when I was building my K2 and it wasn't worth special trips to go try to find the pieces.

Mike

```
> I've struggled to strip and tin the leads of L1 using the time-honored
> method of burning the enamel off with a blob of solder on the tip of a
hot
> (800 degF) soldering iron. For whatever reason, this method used by me
in
> the past on other projects, simply didn't work. Neither did the flame
of
> a butane lighter carefully applied to the lead. In the end, I succeeded
> using the scrape 'n sand method, but wondered what properties or type of
> the wire/enamel make heat stripping possible?
>
> I'm looking impatiently forward to the next installment of "Elmer
> 101".....!
>
> Merry Christmas All!
>
> Steve
> aa8af
>
>
```

Date: Mon, 24 Dec 2001 11:15:37 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <WM-Scace@wiu.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115848] Re: Tubes, In Defense of
Message-ID: <002801c18c9e\$9ee03620\$8f11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

THANK YOU WAYNE! I live in Iowa and I get so tired of hearing the first computer was this or that... the first computer was made in Iowa, and no one ever mentions it!!!!

Also, does anyone know where the term "bug" came from? It all started on the first battleship to have a computer on it to plot things. This computer had MANY relays, and one day the computer stopped working. Upon inspection, a moth had become crunched in one of the relays and caused it to jam, thus the phrase, "a bug in the computer" was born. The ship? Why the USS Iowa of course ;^) (That's straight from the History channel so I know it's right :^D)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Dragon Singer <WM-Scace@wiu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, December 24, 2001 6:42 AM
Subject: Re: Tubes, In Defense of

Hi George es the gang,
Wayne K9DI es Sequoia here. Normally I hate to contradict my elders, but the statement:
The First real Computer Was the ENIAC nearly 18,000 "Vacuum Tubes".
is erroneous.
The first real computer was the Atonnisoff (sp) Barry Computer built in the early thirties at a University in Iowa.
72 es M00/00

>Respectfully and Sincerely Yours,

Wayne M. Scace

k9di@arrl.net
LICQ# 315313

FISTS# 4409
QRP-L# 2313
FPQRP-L# 217
SOC# 452
ARS # 1,082
Zombie # 800
<http://k9di.homestead.com/K9DIHam1.html>

Date: Mon, 24 Dec 2001 11:19:05 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'vintage@vintage.best.vwh.net'" <vintage@vintage.best.vwh.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115849] RE: RF activated Side tone osc
Message-ID: <01C18C6C.CD12C300.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I think both my HA-1 hallicrafters keyer and my Drake 2NT novice transmitter use relaxation oscillators. Pretty cool in the interest of being retro, but boy do those things sound harsh! My ears have been spoiled by sine wave sidetones.

72--Nick, WA5BDU

-----Original Message-----

From: Bob Okas [SMTP:vintage@vintage.best.vwh.net]
Hi Steve & Gang,

I'm debating between an RF-activated sidetone and a neon-bulb relaxation oscillator sidetone generator. The ARRL has an article on the "Novice Special" transmitter on their web site at:

Date: Mon, 24 Dec 2001 12:20:13 -0500
From: "J. Duffy Beischel" <duffy01@fuse.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
WM-Scace@wiu.edu
Subject: [115850] Re: Phone spectrum land grab, as expected
Message-ID: <ZTIGWV1ZVBYWSMF0GC2QP2ZIDZYXV.3c2763cd@computer>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oh, I will admit that to some people it is interesting. I also demonstrated all facets of ham radio to a Christian Elementary school where I am conducting a HR class. SSB, CW, PSK, SSTV, Packet, Pactor, etc. were all demonstrated. Most interesting to them - SSTV. They also liked PSK as it was compared to AOL IM. CW created some interest, most thought it was too slow and NO ONE in the class is interested in learning the code in spite of my willingness to teach it to them. Morse might be cool to some students until they try to learn it and use it. I'll admit CW is o.k. and great for weak mode work, but it is not everyone's cup of tea and it will not cause thousands to flock to ham radio. If we show the kids today how to interface computers to the radio, and how it can be something like an AOL IM, that will get their interest. They are the computer generation - the morse code generation has come and gone.

Merry Christmas!

Duffy

12/24/01 8:01:58 AM, Dragon Singer <WM-Scace@wiu.edu> wrote:

```
>           Hi Duffy es the gang,
>           Wayne K9DI es Sequoia here.  Duffy Ur statement:
>           "You cannot interest the internet generation in ham radio by
>making pass a CW test.  Kids just do not see CW as fun compared to their
>computers."
>           Is, from the empirical evidence I've gathered, erroneous.  Case
>in point, CW was one of the big draws fer me to Hamming (Tnx to the authors
>of Nancy Drew es The Hardy Boys mysteries).  Second case in point, I
>recently had the opportunity to teach two 6th grade classes es I
>demonstrated CW to them as part of my lecture on the Titanic disaster, es
>as part of a lecture/demo about Ham radio.  Both groups of kids lapped it
>up!!  They got excited about the fact that they already knew 2 of the Morse
>characters (o, es s), es when I sent each student their name in CW they
>just seemed to glow.  As I was packing up I overheard some of the students
>talking about the presentations es the recurring statement I heard was
>"Morse code is cool!!"
>A limited data set, I admit, but the data does not support Ur
>statement.  Your Mileage May Vary.
>72 es M00/00  Merry Christmas
>de
>Wayne K9DI
>  Respectfully and Sincerely Yours,
>
>
>Wayne M. Scace
>
>k9di@arrl.net
```

>LICQ# 315313
>FISTS# 4409
>QRP-L# 2313
>FPQRP-L# 217
>SOC# 452
>ARS # 1,082
>Zombie # 800
><http://k9di.homestead.com/K9DIHam1.html>
>
>

J. Duffy Beischel - Amateur Radio WB8NUT

Member of: ARRL, NRA, Kiwanis, Republican Party, Masons, and Shriners
and the vast Right Wing conspiracy to get the Clintons

"If the government owned all the guns, would we still be a free people?"

Date: Mon, 24 Dec 2001 12:28:44 -0500
From: brickle <brickle@pobox.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115851] Re: [Elmer 101] Toroid Lead Stripping & More
Message-ID: <3C2765CC.CA2ACCA@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

> Alternatively, I could have 'wiped' the lead with a piece of
> sandpaper. The only problem there was holding the paper.

There's a sponge from 3M with sanding surfaces of various grits;
one end has a 45 degree cut. Lots of edges and corners with
abrasive on them. Easy to drag the wire across them while you're
pinching it against an edge with your finger.

Frank
AB2KT

Date: Mon, 24 Dec 2001 12:26:20 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <ham@w3eax.umd.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115852] Re: Being the only station from somewhere during sweeps
Message-ID: <20011224172732.IPZG29297.imf13bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/15/01 7:21 PM, Scott Rosenfeld [N7JI] at ham@w3eax.umd.edu wrote:

>Seriously, if there'd been even ONE more station on from ND, I'm sure
>wb0o would have had the clean sweep, but of the thousands of people on the
>air, there was apparently only ONE from North Dakota that was
>participating (and we know who that was).

Bill, WB00, is a well-known contester who gladly hands out North Dakota
in many domestic contests, both CW and SSB.

I'm sure there were a couple more stations in ND, it's just that Bill
didn't happen to work them. That's the breaks -- and it is part of what
makes contesting fun.

Hey, just ask VY1JA if he managed to work anyone in YT/NWT...

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 24 Dec 2001 10:27:53 -0700
From: "Floyd Smithberg" <nq7x@earthlink.net>
To: "QRP-L Message" <qrp-l@lehigh.edu>,
"elecrafft_list" <elecrafft@qth.net>,
Subject: [115853] Re: [Elecrafft] Base Schurr Einbau Wabbler ?
Message-ID: <000901c18ca0\$527f1240\$60c19d40@floyd>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I too have a Schurr Wabbler that I made my own base and cover for. The base is a piece of solid steel 1/2"X3"X4" (with saw marks and scratches removed) painted with Rustoleum Metallic Gold. The dust cover, which is made of clear 3/32" Acrylic cemented together has a hole cut in the front for the paddles and a small slot in the rear for the cable and slips over the base and key. I then covered the joined edges of the plastic with automotive gold striping stick-on tape. For the feet I used the round, clear, soft stick-on type. The finished product is rock SOLID, looks like a piece jewelry and is a joy to use.

73 Floyd NQ7X Phoenix,AZ ScQRPion DM33vk

----- Original Message -----

From: "Charles Greene" <W1CG@qsl.net>

To: "Jeff Burns" <jhburns@attglobal.net>; "elecraft_list" <elecraft@qth.net>

Sent: Monday, December 24, 2001 5:04 AM

Subject: Re: [Elecraft] Base Schurr Einbau Wabbler ?

> At 09:53 PM 12/23/2001 -0500, Jeff Burns wrote:

>

> Jeff,

>

> I bought one last Summer and made a base out of teak. First I had a
> neighbor with a wood working shop finish the base and hollow out the
> bottom. I first thought I would use lead shot and just fill the hollowed
> out space with it, so I got some from a dive shop. I later decided to
melt
> the shot which I did on the stove in an old stainless steel pan and I
> poured it in. It didn't char the wood at all. I drilled a few horizontal
> holes in the hollowed out portion of the base so the melted lead would
flow

> into them and help hold it in. Next I built a dam around the bottom of
> base using masking tape and poured in polyester resin to a depth of about
> 1/8" on the base, then sanded it smooth. I put 4 rubber feet on the
> bottom. Then I finished the teak with many coats of varnish. I bought
the

> dust cover for the Portable Wabbler and cut a piece of plastic the size of
> the dust cover to hold it on and mounted the Einbau mechanism on the
> plastic and on the base. When mounting the base, be sure to drill pilot
> holes well into the lead as you can't drive a screw into it. On the
> connections, one wire goes to each of the screw terminals on the rear of
> the mechanism and the ground goes to the mechanism itself. For the
cable,

> I bought a 3/16" stereo cable from Radio Shack with a molded 1/8" stereo
> plug on both ends, cut it and secured to the rear of the base with a cable
> clamp. If you want specifics as to the dimensions and more details, let's
> do it by private post. The finished product is a real piece of art.

>

> >I just received a Schurr Einbau Wabbler for Christmas. This is the just

the
> >mechanism for the Portable Wabblers. I need to make a base for it, and
have a
> >few questions. This is my first paddle so some of these questions are
rather
> >basic.
> >
> >1. Which side do I connect the dit and da lines to?
> >
> >2. What does ground connect to? It looks as if I should connect ground to
> >one of the mounting screws, but there is not a solder lug like the other
two
> >connections.
> >
> >3. Any suggestions for the base? I am thinking of using a piece of
> >phenolic-impregnated laminated wood, and adding lead musket balls in
holes
> >in it's bottom side to make it heavier. I could also use brass or steel
> >since my father-in-law has a small machine shop.
> >
> >Jeff Burns
> >AD9T
>
> 73, Chas, W1CG
>
> ---
> To subscribe or unsubscribe: <http://www.elecrafter.com/elist.html>
> Post messages to: elecrafter@qth.net (You must be subscribed.)
> Postings must be sent from the same addr. as subscribed.
> The qth.net list server rejects HTML encoded emails.
> Elecraft Web Page: <http://www.elecrafter.com>

Date: Mon, 24 Dec 2001 11:28:39 -0600
From: "George, W5YR" <w5yr@att.net>
To: w3cde@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115854] Re: REAL COMPUTER ???
Message-ID: <3C2765C7.9194BD0F@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The first such machine that was actually built and performed useful work
was the code-breaking machine called a Bombe designed and built by a single
individual in England during the early days of WW2. No doubt the earlier

attempts were instrumental in stimulating future development, but I think that the historical evidence shows little real application for them.

A fellow worker at Bletchley Hall was Alan Turing who first laid out the overall notion of a "computer" organized around the notion of a stored program. His Turing Machine remains as a canonical model of one computer architecture and concept.

A lot of this was in parallel with efforts in the this country which led to the ENIAC for the military.

My "first computer" was the 3000-tube DARC that I helped design and build starting in 1957 as Texas Instruments first digital computer. I did all the input/output system design and implementation, and later became project manager seeing it to completion a couple of years later. With it, we gained several basic patents on computer architecture, although the production models - the TIAC - were designed around transistor logic.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

"W3CDE Jerry L." wrote:

>
> OK guys... How do you determine the meaning of a "REAL
> COMPUTER"??? How is it defined. I think it was LONG before
> that!
>

Date: Mon, 24 Dec 2001 12:35:08 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115855] Re: [Elmer 101] Toroid Lead Stripping & More
Message-ID: <007001c18ca1\$55a737d0\$288f4d0c@eguys.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is the way I wind toroids and strip the lead ends...

<http://www.kitsandparts.com/wtoroids.html>

With a little practice, you will be able to handle all types and sizes of magnet wire.

72 and 'oo' Diz, W8DIZ

Date: Mon, 24 Dec 2001 13:01:30 -0500
From: Dave Fouchey <dafouchey@home.com>
To: w3cde@bellsouth.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115856] Re: REAL COMPUTER ???
Message-ID: <4.1.20011224125944.00981570@localhost>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

As far as I can figure the first "computer" was when man first tallied items by counting his fingers. After that it was all refinement.

Dave
WA4EMR/8

At 11:19 AM 12/24/2001 -0500, you wrote:

>
>
>OK guys... How do you determine the meaning of a "REAL
>COMPUTER"??? How is it defined. I think it was LONG before
>that!
>
>Jerry
>W3CDE
>
>Dragon Singer wrote:
>>
>> Hi George es the gang,
>> Wayne K9DI es Sequoia here. Normally I hate to contradict my
>> elders, but the statement:
>> The First real Computer Was the ENIAC nearly 18,000 "Vacuum Tubes".
>> is erroneous.
>> The first real computer was the Atonnisoff (sp) Barry Computer
>> built in the early thirties at a University in Iowa.
>> 72 es M00/00
>>
>> >Respectfully and Sincerely Yours,
>>

>> Wayne M. Scace
>>
>> k9di@arrl.net
>> LICQ# 315313
>> FISTS# 4409
>> QRP-L# 2313
>> FPQRP-L# 217
>> SOC# 452
>> ARS # 1,082
>> Zombie # 800
>> <http://k9di.homestead.com/K9DIHam1.html>

Date: Mon, 24 Dec 2001 13:07:35 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [115857] Re: REAL COMPUTER ???
Message-ID: <01b701c18ca5\$e021f9a0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I sort of object to calling Babbage's work not a real computer. As far as I can tell, his invention was about as far from a tube-based computer as a tube computer is from a solid state computer.

Think about how they differ....

- In Babbage's difference engine, large numbers of electrons are moved significant distances still bound to their atoms.
- In the Eniac and machines of it's ilk, moderate numbers of electrons are moved significant distances separate from their atoms.
- In solid state computers, small numbers of electrons are moved small distances separate from their atoms.

I don't see where the business of separating the electrons and moving them around independently of their atoms contributes significantly to the problem of automated computing.

On the other hand, the Countess of Lovelace, working with Babbage's difference engine, contributed many basic concepts to our whole business of computing. Ada was the first to recognize that alphabetic characters could

be encoded as numbers, and mathematical machines then used to sort and process things such as names and addresses. (Babbage didn't think this was a particularly useful idea.)

I would argue that this is a significantly greater contribution than Turing's, which, while theoretically interesting, isn't of all that much practical significance. (Turing demonstrated that any problem which could be solved by a computer could be solved by a pretty minimal computer, given enough time and a long enough tape.)

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 24 Dec 2001 11:14:55 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115858] this "Phone Grab" thing
Message-ID: <002e01c18ca6\$e43394d0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What do CW, horse back riding, and manual transmissions have in common? They are all victims of technological progress.

CW -> Phone and digital modes
Horseback Riding -> Autos ...etc.
Manual Transmissions -> AT (and PB/PS...too!)

But none will ever die, each will slip into further obscurity as time marches on. A few individuals will always practice CW for nostalgic reasons.

I looked at the proposed band plans. Unless I missed something, CW is not forbidden in the phone segments, but not visa versa. Also, don't forget the WARC bands! 30m, 17m and 12m are terribly under-used. There have been times I called CQ on one of the WARC band for over an hour (rig in auto mode), and never got an answer!

I think there will be plenty of spectrum for every body for years to come.

So let's get out there and use it! If we don't; bigger and well moneyed

organizations more powerful than the ARRL will take it away from ALL of us. Then what?

Happy Holidays
73, Rod NØRC
Ft Collins, CO

Date: Mon, 24 Dec 2001 18:18:12 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115859] Re: REAL COMPUTER ???
Message-ID: <DAV3124gIFsMWbk62Mz000075ec@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 24, 2001 4:48 PM
Subject: Re: REAL COMPUTER ???

> > How about Babbage's Analytical Engine, designed (and partly built) in
> the
> > 19th century? It had all the features of a computer, although it was a
> > mechanical system.
>
> I think it's safe to say that mechanical devices don't qualify for this
> discussion. Although in actual fact, there were some really neat things
> built a long time ago.
>
> Is this the point wher Dr Brown appears and says "It runs on steam!"
>
> > It could also be argued that the Cambridge University EDSAC was the
> > first 'real' computer.
>
> This I think is a valid point for discussion. I've here this claim made
> before,
> and I do remember that there was a distiction in the programming that
> was why ENIAC was generally considered as the first.
>

No, EDSAC was a true general purpose computer, whereas I think that ENIAC had to be specially set up for every program using a plugboard, or something like that. EDSAC used paper tape for input of programs and data. I've got an EDSAC simulator from Warwick University, UK, written by someone who worked on the original machine. Here's the URL, if anyone is interested in playing with it: <http://edsac.net>

Interestingly, one had to use self-modifying code for some operations, a practise that is frowned upon these days; unless one is writing copy-protection software.

73, Leon

Leon Heller, G1HSM leon_heller@hotmail.com
http://www.geocities.com/leon_heller
Low-cost Altera Flex design kit: <http://www.leonheller.com>

Date: Mon, 24 Dec 2001 13:18:18 -0500
From: "Harry Hurst" <wa3ptg@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115860] Re: REAL COMPUTER ???
Message-ID: <[001b01c18ca7\\$5d126c00\\$0400a8c0@home.com](mailto:001b01c18ca7$5d126c00$0400a8c0@home.com)>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I believe this has nothing to do with QRP! 8^)

----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 24, 2001 1:07 PM
Subject: Re: REAL COMPUTER ???

> I sort of object to calling Babbage's work not a real computer. As far as
I
> can tell, his invention was about as far from a tube-based computer as a
> tube computer is from a solid state computer.
>

> Think about how they differ....
>
> - In Babbage's difference engine, large numbers of electrons are moved
> significant distances still bound to their atoms.
>
> - In the Eniac and machines of it's ilk, moderate numbers of electrons are
> moved significant distances separate from their atoms.
>
> - In solid state computers, small numbers of electrons are moved small
> distances separate from their atoms.
>
> I don't see where the business of separating the electrons and moving them
> around independently of their atoms contributes significantly to the
problem
> of automated computing.
>
> On the other hand, the Countess of Lovelace, working with Babbage's
> difference engine, contributed many basic concepts to our whole business
of
> computing. Ada was the first to recognize that alphabetic characters
could
> be encoded as numbers, and mathematical machines then used to sort and
> process things such as names and addresses. (Babbage didn't think this
was
> a particularly useful idea.)
>
> I would argue that this is a significantly greater contribution than
> Turing's, which, while theoretically interesting, isn't of all that much
> practical significance. (Turing demonstrated that any problem which could
be
> solved by a computer could be solved by a pretty minimal computer, given
> enough time and a long enough tape.)
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>
>

Date: Mon, 24 Dec 2001 18:28:34 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <w5yr@att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [115861] Re: REAL COMPUTER ???
Message-ID: <DAV23ZCrJSo796cHHzY00007614@hotmail.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 24, 2001 5:28 PM
Subject: Re: REAL COMPUTER ???

> The first such machine that was actually built and performed useful work
> was the code-breaking machine called a Bombe designed and built by a
single
> individual in England during the early days of WW2. No doubt the earlier
> attempts were instrumental in stimulating future development, but I think
> that the historical evidence shows little real application for them.
>
> A fellow worker at Bletchley Hall was Alan Turing who first laid out the
> overall notion of a "computer" organized around the notion of a stored
> program. His Turing Machine remains as a canonical model of one computer
> architecture and concept.
>
> A lot of this was in parallel with efforts in the this country which led
to
> the ENIAC for the military.
>
> My "first computer" was the 3000-tube DARC that I helped design and build
> starting in 1957 as Texas Instruments first digital computer. I did all
the
> input/output system design and implementation, and later became project
> manager seeing it to completion a couple of years later. With it, we
gained
> several basic patents on computer architecture, although the production
> models - the TIAC - were designed around transistor logic.

When I was student at English Electric, Kidsgrove in 1961, they still had a
working DEUCE valve computer. Alan Turing designed the earlier ACE, at the
National Physical Laboratories.

I later worked on the then new LEO III (transistors!) computer for a few
months. The LEO I (developed from the EDSAC) was the world's first computer
sold for commercial applications, exactly 50 years ago.

Leon

Leon Heller, G1HSM leon_heller@hotmail.com
http://www.geocities.com/leon_heller
Low-cost Altera Flex design kit: <http://www.leonheller.com>

Date: Mon, 24 Dec 2001 13:46:39 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [115862] Re: REAL COMPUTER ???
Message-ID: <052101c18cab\$531a18c0\$d8eb5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually the first computer was the dial telephone network which was before 1920.

Also Merry Christmas to all my friends.

Mike Branca W3IRZ in Conyers Georgia

Date: Mon, 24 Dec 2001 11:58:02 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115863] REAL COMPUTERS?
Message-ID: <000c01c18cac\$ea02a530\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What are the attributes of a Real Computer? Can someone point me to a strict technical definition of a Real Computer? All I've seen so far, are assertions of what a "Real Computer" is/does...etc. And, it seems pretty much anything goes, so I'll add mine. The "Abacus".

Happy Holidays
73, Rod N0RC
Ft Collins, CO

Date: Mon, 24 Dec 2001 14:09:47 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: leon_heller@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115864] Re: REAL COMPUTER ???
Message-ID: <3C277D7B.EBA42A3D@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Now the differentiation comes out 8-)...

Babbage made the first computer. The EDSAC was the world's first stored-program computer to operate a regular computing service. Designed and built at Cambridge University, England, the EDSAC performed its first calculation on 6 May 1949.

Jerry
W3CDE

Leon Heller wrote:

>
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, December 24, 2001 4:48 PM
> Subject: Re: REAL COMPUTER ???
>
> > > How about Babbage's Analytical Engine, designed (and partly built) in
> > the
> > > 19th century? It had all the features of a computer, although it was a
> > > mechanical system.
> >
> > I think it's safe to say that mechanical devices don't qualify for this
> > discussion. Although in actual fact, there were some really neat things
> > built a long time ago.
> >
> > Is this the point wher Dr Brown appears and says "It runs on steam!"
> >
> > > It could also be argued that the Cambridge University EDSAC was the
> > > first 'real' computer.
> >
> > This I think is a valid point for discussion. I've here this claim made
> > before,
> > and I do remember that there was a distiction in the programming that

> > was why ENIAC was generally considered as the first.
> >
>
> No, EDSAC was a true general purpose computer, whereas I think that ENIAC
> had to be specially set up for every program using a plugboard, or something
> like that. EDSAC used paper tape for input of programs and data. I've got an
> EDSAC simulator from Warwick University, UK, written by someone who worked
> on the original machine. Here's the URL, if anyone is interested in playing
> with it: <http://edsac.net>
>
> Interestingly, one had to use self-modifying code for some operations, a
> practise that is frowned upon these days; unless one is writing
> copy-protection software.
>
> 73, Leon
>
> Leon Heller, G1HSM leon_heller@hotmail.com
> http://www.geocities.com/leon_heller
> Low-cost Altera Flex design kit: <http://www.leonheller.com>

Date: Mon, 24 Dec 2001 14:11:33 -0500
From: "W3CDE Jerry L." <w3cde@bellsouth.net>
To: wa3ptg@home.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115865] Re: REAL COMPUTER ???
Message-ID: <3C277DE5.38BBABC4@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It sure is better that people calling others dirty names ...
8-)

Jerry
W3CDE

Harry Hurst wrote:
>
> I believe this has nothing to do with QRP! 8^)
>
>

Date: Mon, 24 Dec 2001 13:30:18 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: "QRP-L Post" <qrp-l@Lehigh.EDU>
Subject: [115866] Computer Time Line
Message-ID: <003501c18cb1\$6ca90200\$1600a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

FWIW

The following was taken from a 1986 text on computer literacy.

3000 B.C. - Abacus used by Chinese
1642 - Pascal invents first mechanical calculating machine
1694 - Leibnitz's calculating machine
1801 - Jacquard invents punched-card loom
1830's - Babbage conceives first programmable computer
1836 - Telegraph invented
1846 - Sewing machine invented
1860 - Internal-combustion engine invented
1867 - Typewriter invented
1876 - Telephone invented
1890 - Hollerith's tabulating machine - first use of electricity for computing
1895 - Radio invented
1930 - Bush invents first analog computer
1944 - Aiken's Mark I - first digital computer
1946 - Mauchly and Eckert complete ENIAC, first completely electronic computer
1948 - Transistor invented
1949 - EDSAC, first stored-program computer completed
1951 - UNIVAC - first commercial computer
1964 - introduction of integrated circuits
1965 - First minicomputer
1969 - U.S. astronauts land on the moon
1970's - Large scale integrated circuits developed
1975 - First microcomputer
1980 - CPU on a single chip

In addition, the term "bug" is attributed to Grace Hopper who found a moth in a relay while working on a MARK II computer in September of 1947. Also the idea of a stored program was proposed by John von Neumann after he worked on the ENIAC and that lead to the EDSAC which was built at Cambridge University.

The idea of programming precedes electronic computers. The names

associated with programming are Jacquard, Lovelace, Hollerith and von Neumann.

Jacquard programmed a loom using punched cards. Lovelace suggested to Babbage the use of binary math and iterated steps for calculations. Hollerith combined the use of punched cards and electricity for calculations. John von Neumann's idea of electrically stored programs instead of rewiring or swapping circuits to do calculations. And so goes the development of computers.

The text was printed in 1986. Computer Literacy Through Applications by Kurshan, et. al.

Date: Mon, 24 Dec 2001 14:36:54 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <ccart@phideaux.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115867] Re: cheap vertical
Message-ID: <20011224193806.GQIT11348.imf15bis.bellsouth.net@[192.168.0.21]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/5/01 2:57 PM, Chris Cartwright at ccart@phideaux.com wrote:

>I've been hoping to put one together for a while now, but my work
>schedule has just been too hectic. It started as a "quickie" mast
>(30-50ft) so I can tell you that it is possible to raise 1/2" EMT tubing
>(conduit) to 50'.

In the interest of preventing injury or possible loss of property --

I would NOT recommend using EMT conduit as either a mast, a vertical, or the support of any thing beyond a single 10 foot section.

While EMT may appear substantial, it is not a structural material. EMT is designed to be easy to bend, and bend it does.

An inexpensive alternative is rigid conduit, which is NOT EMT. My R7000 is supported by a piece of 1.5" rigid conduit.

Even so, any sort of conduit or pipe isn't a structural material. If you need a mast, you need to get a proper piece of tubing sized and with the proper yeild strength for your applicaiton.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Mon, 24 Dec 2001 14:37:52 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [115868] Re: Windows XP
Message-ID: <B84CECA0.C234%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

That makes it sound like Microsoft is making it's customers pay for beta software.

73 de Ray
K2ULR
FN20t1

> From: "W3CDE Jerry L." <w3cde@bellsouth.net>
> Reply-To: w3cde@bellsouth.net
> Date: Mon, 24 Dec 2001 11:42:21 -0500
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Re: Windows XP
>
>
> If you want to save some money... This version of XP is only
> an interim release.. i.e. the real "working" version is
> scheduled for late 2002 to early 2003. This version is know
> to have many bugs and other "undocumented features...".
>
> A clean install is the only way to go if you want a working
> system. Upgrades, just do not work! and will cause continuous
> pain till you blow it all away and do a clean install. This
> is a know "feature" of XP.
>
> This is why we are not upgrading our 4500 PC at work!
>

> Jerry
> W3CDE
>

Date: Mon, 24 Dec 2001 14:46:43 -0500
From: "Marty N5NW" <n5nw@onebox.com>
To: qrp-1@lehigh.edu, hfpack@yahoogroups.com, ft817@yahoogroups.com
Subject: [115869] FS: FT-817
Message-ID: <20011224194643.JCWY27009.mta05.onebox.com@onebox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Santa missed you this Christmas? I have a practically new (three months old) FT-817 with the W4RT One Plug Power, the Collins CW filter, a MAHA charger for the power, the Miracle Whip antenna, two Maldol whips (10m and 40m), the pocket reference manuals and the reference cards, all manuals, etc. Like new condition.

Easily \$1,100 worth of stuff, even at discount prices. Will sell for \$945 including shipping. Contact me direct, if seriously interested.

Thanks!

de N5NW/8
Bellbrook (Dayton), Ohio

email at my callsign at arrl dot net . . .

FREE voicemail, email, and fax...all in one place.
Sign Up Now! <http://www.onebox.com>

Date: Mon, 24 Dec 2001 12:53:59 -0700
From: Dan Tayloe <dtayloe@home.com>
To: qrp-1@Lehigh.EDU, Steve.Lawrence@ITWFEG.COM
Subject: [115870] Re: [Elmer 101] Toroid Lead Stripping
Message-ID: <3C2787D7.7A467F21@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The trick to using the solder blob technique is to make sure the exposed copper end of the wire is in the blob. The exposed copper will absorb the heat and burn off the enamel. The enamel does not absorb heat well, so merely placing the enamel portion of the wire in the blob will work also, but is much slower.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 24 Dec 2001 14:54:17 -0500
From: W2AGN <w2agn@pobox.com>
To: qrp-1@lehigh.edu, njqrp@njqrp.org, fpqrp-1@mpna.com
Subject: [115871] Holiday Wishes.
Message-ID: <01122414541700.02233@CC2289974-A>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

May your QRP signals always be S9...with resiprosity
May your Tube Transmitters keep you warm!
May your Straight Keys never tire*
May your ears stay clean
and May all your vegetables be organically grown

To ALL the QRPers, including grumpy old men and PHDs

MERRY CHRISTMAS AND HAPPY NEW YEAR! (and a big oo)

--

John L Sielke W2AGN
 w2agn@pobox.com
http://www.qsl.net/w2agn

*(BTW, hope everyone realized my post re: Straight Keys was a JOKE! See you on SKN with a new key I bought from Morse Express)

Date: Mon, 24 Dec 2001 19:57:14 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: rod@n0rc.com, qrp-1@Lehigh.EDU
Subject: [115872] Re: REAL COMPUTERS?
Message-ID: <F1634VsA6XktM1qjj0a0000dc96@hotmail.com>

Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Rod N0RC" <rod@n0rc.com>
>Reply-To: rod@n0rc.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: REAL COMPUTERS?
>Date: Mon, 24 Dec 2001 11:58:02 -0700
>
>What are the attributes of a Real Computer? Can someone point me to a
>strict technical definition of a Real Computer? All I've seen so far,
>are assertions of what a "Real Computer" is/does...etc. And, it seems
>pretty much anything goes, so I'll add mine. The "Abacus".

I think it has to be able to compute *any* "Computable" function. A Turing machine can do this, of course. An abacus or a telephone network can't. Maybe brains can't, either. 8-)

Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Mon, 24 Dec 2001 14:57:45 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [115873] Printed circuit board stuff & interesting DX
Message-ID: <20011224.145822.-208573.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Compa eros!

I got up this morning to rush around for the last minute stuff & ended up listening to a lot of serious good DX on 10m. Even worked up a couple Qs after I got back from the shop & drop circuit. One, Ed (M5PYE), guy was

mobile in England. Gave a call to VE1ZF but didn't get a response.
Sometimes I really wish I had that antenna what I had at the old place.

Now, once many moons ago someone here was talking about some sort of paper that went through a laser printer with a circuit board lay-out on it. The subsequent laser print was then ironed onto the circuit board material same as a heat-transfer graphic goes on a t-shirt. One of the guys at work had some of that stuff & I've already begged him to give me a piece of it in exchange for what it cost per sheet.

But I want my own stash, man, y'dig?

I got a fair price on getting the boards for the W7BBX 40m transceiver done from Far Circuits. It'd work out to a little over \$50 for 10 boards, which is what I'd want to do, since I could then screw up 9 versions of the radio before getting one working good. And yes, I actually found most of the parts, although I may have bought the last of 'em in sight. (One of the guys at work has a 1950-something General Electric transistor in its original box. Like gettin' yer hands on a CK722 tranny in its original box . . . which can be done but only at serious cost [which I do not understand . . .].)

I'm still collecting patience to put together the 40-9er that Roy Parker sent me. That & figure out where on the board the little parts go. I even have a box for it even. After that one & the 1974 version of the same thing, I'm gonna try out WA6AHL's little battery box radio, but not in that confining a space. A man's gotta know his limits.

Now, don't nobody ask why in the name of all that's even mythical I'd get interested in this building tiny radios again, but it's all youse's faults. Youse & them crazy British guys. Radios in cigarette boxes, fer cryin' out loud! Don't none of you people have any concept of what kind of things you could accomplish if you weren't tryin' to think inside those little boxes?

And they say I need intervention! Hah!

73 & greetings of the season.

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes
Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

"In MY day we FIGHT to have earphones! Every DAY was STRUGGLE!"

-- Comrade Nikolai Sergeievich McTovarishov, 19

Oct 1917

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 24 Dec 2001 20:03:47 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: Nick Kennedy <nkennedy@tcainternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [115874] RE: RF activated Side tone osc
Message-ID: <Pine.BSF.4.40.0112241955310.27405-100000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Nick & Gang,

I was thinking that it might be too raspy. Another sidetone option I was considering was a phase-shift oscillator, but that takes another tube. Yet another option is to use QSK and let the receiver provide the sidetone. This sounds like an interesting option to explore.

73 & Merry Christmas,
Bob

On Mon, 24 Dec 2001, Nick Kennedy wrote:

> I think both my HA-1 hallicrafters keyer and my Drake 2NT novice
> transmitter use relaxation oscillators. Pretty cool in the interest of
> being retro, but boy do those things sound harsh! My ears have been
> spoiled by sine wave sidetones.
>
> 72--Nick, WA5BDU
>
> -----Original Message-----
> From: Bob Okas [SMTP:vintage@vintage.best.vwh.net]
> Hi Steve & Gang,
>
> I'm debating between an RF-activated sidetone and a neon-bulb
> relaxation oscillator sidetone generator. The ARRL has an article on the
> "Novice Special" transmitter on their web site at:
>
>

Date: Mon, 24 Dec 2001 20:14:27 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: nilsbull@juno.com, qrp-1@Lehigh.EDU
Subject: [115875] Re: Printed circuit board stuff & interesting DX
Message-ID: <F155JztqKD2rbsAQvCa0000de6f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: nilsbull@juno.com
>Reply-To: nilsbull@juno.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Printed circuit board stuff & interesting DX
>Date: Mon, 24 Dec 2001 14:57:45 -0500

[deleted]

Youse & them crazy British guys. Radios in cigarette boxes, fer
>cryin' out loud! Don't none of you people have any concept of what kind
>of things you could accomplish if you weren't tryin' to think inside
>those little boxes?

I built a little radio for my brother's step-daughter using the Ferranti
Z414 many years ago that went into a tiny box snuff was sold in. It must
have been about 1 3/4" square. She used it at her boarding school where they
weren't supposed to have radios.

I'm British, of course. 8-)

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Mon, 24 Dec 2001 13:20:33 -0700

From: Chris Howard <chris@yipyp.com>
To: tmyers@AcademicPlanet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115876] Re: Computer Time Line
Message-ID: <20011224132033.48023@amos.yipyp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Mon, Dec 24, 2001 at 01:30:18PM -0600, tmyers wrote:

> FWIW
>
> The following was taken from a 1986 text on computer literacy.
>
> 3000 B.C. - Abacus used by Chinese
> 1642 - Pascal invents first mechanical calculating machine
> 1694 - Leibnitz's calculating machine
> 1801 - Jacquard invents punched-card loom
> 1830's - Babbage conceives first programmable computer
> 1836 - Telegraph invented
> 1846 - Sewing machine invented
> 1860 - Internal-combustion engine invented
> 1867 - Typewriter invented
> 1876 - Telephone invented
> 1890 - Hollerith's tabulating machine - first use of electricity for
> computing
> 1895 - Radio invented
> 1930 - Bush invents first analog computer

1937-1942 Atanasoff-Berry Computer
world's first electronic digital computer
(as declared at the end of a lengthy patent lawsuit)

It used binary arithmetic, regenerative memory, parallel processing,
and separation of memory and computing functions. It predated ENIAC.
Made with vacuum tubes, the primary memory was 60 50-bit
words. Clock speed of 60 hz. It was a calculator for
solving simultaneous linear equations.

see <http://www.cs.iastate.edu/jva/jva-archive.shtml>
and <http://www.davros.org/misc/chronology.html>

--

Chris Howard
chris@yipyp.com
current Estes Park weather -- <http://www.yipyp.com/wscurrent.html>

YipYap.Com
Estes Park, Colorado USA

Date: Mon, 24 Dec 2001 20:19:40 +0000
From: k8cz@att.net
To: kf8ki@fuse.net (Steve Weigold),
DRWells@one.net (Dennis R. Wells Sr.),
Subject: [115877] Merry Christmas
Message-ID:
<20011224201940.CKUH7926.mtiwmhc23.worldnet.att.net@webmail.worldnet.att.net>

To all my amateur radio buddies:

Enjoy the holiday season and may Santa bring you all a
very special gift.

Merry Christmas and Happy New Year. May we all enjoy
the gifts of joy, good health and prosperity in the
coming year.

--
73,72, 00
FP #41 Fists #2360 ARCI #9606
Norcal ARRL
Hamilton, Ohio
EM79ri
Tom, K8CZ

Date: Mon, 24 Dec 2001 13:33:11 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.edu>
Subject: [115878] For Sale
Message-ID: <000501c18cba\$35cfc8a0\$a3de070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have 2 new in the boxes Icom OPC581 seperation cables for IC706 units, for
\$40.00 each also Icom MB 63 head mounting for the IC 706 units for \$10.00
also Icom IC 2710 2 meter 440 mobile unit for \$350.00 also 35 MM camera with
3 lenses. Need money for FT817. Thanks reply direct please Cal KF7ET

Date: Mon, 24 Dec 2001 14:48:08 -0600

From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [115879] COM[UTERS
Message-ID: <004101c18cbc\$4cdee1a0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I would like to set the record straight on who build the first computer. I built the first computer in 1846 so i could log all my contacts while operating cw or was it sstv i can't remember because my memory is getting a little bad these days, however my computer still works for me remembering things that i cant so now that the no the whole truth about the computer age why can't we drop the whole matter and go about building something. 73's and 72's and a happy new year. to all
DENNIS THE MEANCE W5VAF

Date: Mon, 24 Dec 2001 15:48:31 EST
From: K4IA@aol.com
To: duffyb01@fuse.net
Cc: qrp-l@Lehigh.EDU
Subject: [115880] Re: Phone spectrum land grab, as expected
Message-ID: <12f.9cf71b0.2958ee9f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Duffy

Well, I guess we will just have to disagree on the amount of Phone and PSK vs. CW usage. Sure, 20 mtr SSB gets crowded. That's where the Old Timers meet to compare notes on their gall bladder surgeries. The other phone bands don't have a whole lot going on. I hear plenty of CW signals and if you are talking DX, there is no comparison. CW outnumberes SSB ten to one in the rest of the world.

As for PSK, it is a neat mode but once the "golly gosh" wears off, what do you have? It is about as interesting as AOL Instant Messenger and the only challenge is remembering which macro key to hit and then staying awake during the other guy's endless brag macro.

I guess you can tell I am a CW fan. I do disagree with you about CW not being attractive to youngsters. It sure attracted me and it has a magic even kids today appreciate. Kids love a secret code only they can understand. Too bad Harry Potter didn't use it, we'd have new hams coming out our ears.

But, you may be surprised that I agree with you on one thing at least: I was glad to see the requirement dropped to 5 wpm for all licenses. CW is a big piece of ham radio but it is not everyone's cup of tea. I have even suggested that CW be made an element of the exam rather than a pass/fail requirement. In other words, you could flunk it and still pass the exam if you got enough other questions right.

So, I guess what I am coming to is: this is not a CW vs other mode dispute. We are all in agreement on the need to attract new hams. I think a Novice Class license and a low power Novice Class sub-band makes a lot of sense. I wish the QRP folks had chosen their primary calling frequencies in the Novice bands. Allowing SSB on a big chunk on the old Novice bands will not attract new hams. Existing users will just spread out and join two nets so they can tell their gall bladder stories twice-a-day.

Merry Christmas to all. 73

Radio K4IA
Craig Buck
Fredericksburg, Virginia USA
QRP ARCI #2550 FISTS #6702 CC 788 Diamond #64
K1 #470

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4.9 cents/min - no monthly fees

Date: Mon, 24 Dec 2001 16:09:32 -0500
From: Jim Campbell <jim-c@nc.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115881] Vertical Dipole Question
Message-ID: <3C27998C.DE65B1BE@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I live in an antenna-restricted subdivision. I presently have two antennas, a semi long-wire stapled under the eaves of my house as well as an attic dipole. The attic dipole is the best performer at present. I have a tri-band beam antenna that I never reassembled after my move here for obvious reasons.

My question. How well would the driven element of this beam work as a vertical dipole? I can attach it to my deck behind my house and it will

be mostly out of sight. I would have one end near ground level. With the dipole arrangement it seems to me that I wouldn't have to worry about radials. Does anyone have a guesstimate as to how well this would work?

Seasons greetings to all.

Jim
W4BQP

Date: Mon, 24 Dec 2001 15:32:22 -0600
From: "Len Revelle" <lenrev@ameritech.net>
To: <raysills@1stconnect.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [115882] RE: Windows XP
Message-ID: <007101c18cc2\$791be5a0\$6401a8c0@n9ij>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Microsoft has long been known for the motto, The world is our beta tester..."

-----Original Message-----
From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Ray Sills
Sent: Monday, December 24, 2001 1:38 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Windows XP

That makes it sound like Microsoft is making it's customers pay for beta software.

Date: Mon, 24 Dec 2001 15:35:10 -0600
From: "George, W5YR" <w5yr@att.net>
To: raysills@1stconnect.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115883] Re: Windows XP
Message-ID: <3C279F8E.E663FE06@att.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray, that has been the case since DOS 1.0!

And there is little to suggest that it will ever change . . .

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe SOC 262
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All incoming and outgoing email virus-checked by Norton Anti-Virus 2002

Ray Sills wrote:

>

> That makes it sound like Microsoft is making it's customers pay for beta
> software.

Date: Thu, 20 Dec 2001 11:57:38 -0900
From: Jim Larsen - AL7FS <AL7FS@ARRL.NET>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [115884] Re: Straight Keys
Message-ID: <3C2250C2.A488A913@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hmmm....I use a straight key.

Jim, AL7FS

W2AGN wrote:

> I object to all this talk about Straight Keys. Nobody uses straight keys any
> more. Nobody even makes them any more. Everybody uses a keyer or a keyboard! I
> don't like the posts about straight keys and I want you all to stop talking
> about them!
>
> So there!

Date: Mon, 24 Dec 2001 16:23:04 -0500
From: w4bws@juno.com
To: raysills@1stconnect.com
Cc: qrp-1@Lehigh.EDU
Subject: [115885] Re: Windows XP
Message-ID: <20011224.162613.-506879.0.W4BWS@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

yes, but they are probably complying with the government edict. As usual the customer gets the sharp end of the stick.
Don W4BWS

On Mon, 24 Dec 2001 14:37:52 -0500 Ray Sills <raysills@1stconnect.com> writes:

> That makes it sound like Microsoft is making it's customers pay for
> beta
> software.

>
>
> 73 de Ray
> K2ULR
> FN20t1

>
>
> > From: "W3CDE Jerry L." <w3cde@bellsouth.net>
> > Reply-To: w3cde@bellsouth.net
> > Date: Mon, 24 Dec 2001 11:42:21 -0500
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Subject: Re: Windows XP

> >
> >
> > If you want to save some money... This version of XP is only
> > an interim release.. i.e. the real "working" version is
> > scheduled for late 2002 to early 2003. This version is know
> > to have many bugs and other "undocumented features...".

> >
> > A clean install is the only way to go if you want a working
> > system. Upgrades, just do not work! and will cause continuous
> > pain till you blow it all away and do a clean install. This
> > is a know "feature" of XP.

> >
> > This is why we are not upgrading our 4500 PC at work!

> >

> > Jerry
> > W3CDE
> >
>

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 24 Dec 2001 14:25:10 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [115886] Happy Holidays...
Message-ID: <010001c18cc9\$d9d4c680\$eab0b2d1@computername>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wanted to wish all of you a Very Merry Christmas and a Happy New Year!
BTW if Santa is a member of any of the lists, I've been a very good boy this
year and have left plenty of room under the tree for a new K2 ;-) Merry
Christmas!

Best 72/73's
Trev
KG6CYN

Date: Mon, 24 Dec 2001 17:14:50 EST
From: FIVEWATTS@aol.com
To: fox_tango@qth.net, Antennas@qth.net
Cc: qrp-1@lehigh.edu
Subject: [115887] The Holidays
Message-ID: <136.6541777.295902da@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just a short note to wish everyone an very "MERRY CHRISTMAS"
God Bless,
>From

Bob
WA2HOQrp <tm>

Date: Mon, 24 Dec 2001 17:05:34 EST
From: FIVEWATTS@aol.com
To: jim-c@nc.rr.com, qrp-1@Lehigh.EDU
Subject: [115888] Re: Vertical Dipole Question
Message-ID: <8a.117cdedb.295900ae@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 12/24/01 4:12:30 PM Eastern Standard Time, jim-c@nc.rr.com writes:

<< antennas, a semi long-wire stapled under the eaves of my house as well as an attic dipole. The attic dipole is the best performer at >>

Jim,
I just read your post again.
If you have a window in the attic then you have it made.
Make that antenna and when your finished spray everything dull gray.
I just hooked mine up and DX is pouring in from Europe.
You can make a small tripod and stand it vertical on the attic floor.
Bob
WA2HOQrp <tm>

Date: Mon, 24 Dec 2001 15:04:50 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <K4IA@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [115889] Re: Phone spectrum land grab, as expected
Message-ID: <002701c18cc7\$02f5d390\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <K4IA@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 24, 2001 1:48 PM
Subject: Re: Phone spectrum land grab, as expected

> Duffy
>
> CW outnumbered SSB ten to one in the rest of the world.
>

Interesting. You of course can reproduce statistically significant data that demonstrates this point in a rigorous and proper manner.

I can't disprove it. But I can demonstrate some doubt for your premise. Why would manufacturers of radio equipment bother to produce equipment with SSB capabilities? Why don't we find more (and better) features to support CW, narrow band filters as standard for one example? I'm dubious about the 10 to 1 CW preference assertion.

Happy Holidays
73, Rod NØRC
Ft Collins, CO

Date: Mon, 24 Dec 2001 17:23:01 EST
From: IamSF5@aol.com
To: fpqrp-1@mpna.com
Cc: qrp-1@lehigh.edu
Subject: [115890] HO HO HO
Message-ID: <180.144c84b.295904c5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Merry Christmas to all the PIGS, FARMERS, CW OP's, QRP OP's and especially to all the EE type (too many to mention who donated hundreds of hours designing new kits so that we can build our toys and work the world on CW QRP
God Bless everyone
Bob
WA2HOQrp <tm>

Date: Mon, 24 Dec 2001 17:36:32 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: K4IA@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [115891] Re: Phone spectrum land grab, as expected

Message-ID: <20011224173044.R9031-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 24 Dec 2001 K4IA@aol.com wrote:

> Class license and a low power Novice Class sub-band makes a lot of sense.
> I wish the QRP folks had chosen their primary calling frequencies in the Novice
> bands.

I'm sure we'll now hear about all the rock-bound folks...and the offer to replenish the "old" crystals. We probably won't hear from anyone who posts..."You know, someone had posted in the last few months that we should use the novice bands."

We most likely won't hear much about the League, or others, making an effort to solve the conflicts between rtty and qrp freqs...

73,
Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Mon, 24 Dec 2001 18:00:27 -0500
From: "Steve Markowitz" <sdmarko@attglobal.net>
To: <qrp-l@lehigh.edu>
Subject: [115892] Crystals
Message-ID: <MBBBIMJDINHHCIEADIPDOEGGCAAA.sdmarko@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have two crystals, which I scavenged from some gizmo. How do you tell what the frequency is. For your info, the first one has this on it:

49.420

KDS 5L

And the second one says this:

49.390

KDS 5L

What does it all mean?

Date: Mon, 24 Dec 2001 23:17:50 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: sdmarko@attglobal.net, qrp-1@Lehigh.EDU
Subject: [115893] Re: Crystals
Message-ID: <F942N4F331xvs2ibi1L0000debc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Steve Markowitz" <sdmarko@attglobal.net>
>Reply-To: sdmarko@attglobal.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Crystals
>Date: Mon, 24 Dec 2001 18:00:27 -0500

>
>I have two crystals, which I scavenged from some gizmo. How do you tell
>what the frequency is. For your info, the first one has this on it:
>49.420
>KDS 5L
>And the second one says this:
>49.390
>KDS 5L
>What does it all mean?
>

They are probably overtone crystals with a fundamental frequency approx.
f/3. i.e. 16.473 MHz approx. for the first one. They might be useful in a
converter on the fundamental or with a doubler.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Mon, 24 Dec 2001 18:37:38 -0500
From: "George Osier" <gosier@twcnny.rr.com>
To: <qrp-1@lehigh.edu>
Subject: [115894] Very Happy Holidays to All !!!!
Message-ID: <003101c18cd3\$fa112420\$0e714342@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello !!!!!

Happy Holidays and a Merry Christmas to all ops !!! As the cycle continues (down) we must all use what we have now in propagation to attain any goals we have in QRP or QRPP !!!

And whats most important be it building rigs or QRP or QRPP operating is that we have FUN at what we do !!!!!

I would like to thank all of those who have helped me toward my goals that I had in 2001 and in 2002 I will strive to complete my list of my personal mountains to climb (so to speak) !!!

for 2002 :

W.A.C. 100 mw
W.A.S. 100 mw

and get all the cards I need for any others I need !!!

1. Thanks especially go to Jim Hale , KJ5TF who has always offered advice and encouragement !!
2. All the members of the Northern New York Contest Club who are always giving kudos and pep talks !!
3. My good buddy John Hackett , NS2P whos ears I wear out with milliwatting and club business (He is the VP and I'm Pres)
4. And last but not least , anyone in all the reflectors I belong to who have commented with words of praise and encouragement and the may USA and DX stations who have to put up with my peanut whistle signal strength !!!

73s and Happy Holidays to all !!!!!!!

George Osier , N2JNZ / QRPP

End of QRP-L Digest 2415

